LEGEND

R1 RIFFLE – 1 FOOT DEEP
RU 2 RUN – 2 FEET DEEP
P1 POOL – 1 FOOT DEEP

COBBLE BAR
GABIAN WALL
GRAVEL BAR
LEDGE OR BEDROCK
RIP-RAP
SAND BAR
SILT BAR
VEGETATED GRAVEL
HIGH FLOODPLAIN FOREST
MESIC NORTHERN HARDWOOD FOREST
LOCATION AND DIRECTION OF NUMBERED PHOTO
BOULDERS OR LARGE ROCKS
LOGS OR FALLEN TREES
LOCATION OF NUMBERED TRANSECT

WEST BRANCH

RU 1-2' GRAVEL

R 2-3.0 GRAVEL

RU 1-2' GRAVEL

1211

18

19

20

PHOTO 18
LOOKING UPSTREAM

PHOTO 19
LOOKING DOWNSTREAM

PHOTO 20
LOOKING AT WEST BRANCH

1"=100'

100' 0 100' 200'

NOTES:
1) Base map information including road locations, lot lines, contour data, and treeline provided by R.F. Weston.
2) River and Riparian data collected in November 1998.
3) Riparian characterization plots were located on each shore and extend 15.2 meters downstream and up to 12.1 meters upslope from stream edge (depending on width of riparian zone) from approximate plot location.

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APPENDIX B

STREAM CHARACTERIZATION EXISTING CONDITIONS

SCALE: 1"=100' SHEET 7 of 7 FEBRUARY 8,1999

APPENDIX C: Natural Community Data Forms

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE

Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch T070, North			Date: 10 November 1998
(Site name:)		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Ray, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.	Directions (if not obvious from topo or Maine Atlas):
	see Map

VEGETATION / HABITAT

Observation Point 1 T070	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional FOREST	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography	Slope, aspect, topography:	Slope, aspect, topography:
STRATA*: cover & 1-2 dominant spp. for each	STRATA*: cover & 1-2 dominant spp. for each	STRATA*: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%): 50 Acer negundo	Tree layer: Total cover (%):	Tree layer: Total cover (%):
Sapling / tall shrub layer: Total cover (%) 50 Vitis riparia Acer negundo Celastrus orbiculatus	Sapling / tall shrub layer: Total cover (%)	Sapling / tall shrub layer: Total cover (%)
Shrub (1-2 m) layer: Total cover (%) 50 Rosa multiflora Lonicera Morrowii Physocarpus opulifolius	Shrub (1-2 m) layer: Total cover (%)	Shrub (1-2 m) layer: Total cover (%)
Herb layer: Total cover (%) 60 Poa nemoralis Argeratina altissima Phalaris arundinacea	Herb layer: Total cover (%)	Herb layer: Total cover (%)
Bryoid layer: Total cover (%) Essentially absent	Bryoid layer: Total cover (%)	Bryoid layer: Total cover (%)
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: degraded community, numerous exotic plant species, remnant size	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 X 15 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

-> complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # TOTO, North
Community type: Floodplain / Early Successional forest		Adjacent communities:	
Quad: Pittsfield East (1:25,000)	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FOREST

Tree canopy height	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
35 feet	① Acer negundo 10 inch dbh, +/- 25 yop ② Acer negundo 7 inch dbh, uncountable rings	Some deadwood, mostly consisting of large branches from canopy trees	
supercanopy trees?			

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
NO	Some limbs on ground.	NC	NO	NO

comment: Several drain pipes that have eroded ditches

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Alliaria petiolata
Populus deltoides
Oenothera biennis
Lythrum Salicaria
Rumex crispus
Elymus riparias

Species list sketchy or basically complete?
Comment:
Somewhat complete

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: TO70

Community type: Floodplain / Early Successional forest | (Regional alliance/community:)

LAYER	plot #				
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: note which size used<br~~5.64 m radius for 1/100th ha~~ 50 x 15 feet 7.98 m radius for 2/100th ha use same size throughout!	Acer negundo 9, 10, 6				
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	Vitis riparia 37 Acer negundo 9 Celastrus orbiculatus 19				
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 2.8 m radius or 25 m²	Spiraea alba 1 Rosa multiflora 37 Sambucus canadensis 1 Lonicera morowii 3 Acer negundo 3 Berberis thunbergii 3	Acer saccharum 1 Ulmus americana 1 Physocarpus opulifolius 9			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Ludwigia palustris 1 Symphyotrichum cordifolium 1 Solidago gigantea 1 Phalaris arundinacea 1 Bromus latiglumis 1 Solanum dulcamara 1 Ageratina altissima 3 Poa nemoralis 9 Vaccinium angustifolium 1	Epilobium ciliatum ssp. glandulosum 1			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.					
REMARKS					

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

date: initials: p. 3 of 4

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: TO70N

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation: 300 meters

Aspect: 198 (magnetic) or true?

Slope: 0-90+°, (on slope to the bank = 21°) measured or estimated?

Microtopography: Sloped shelf with steep, rivercut bank to a silt shelf into river.

pH (note kit or meter type)

Topographic position:
- P low plain, level
- T toe of slope
- (LS lower slope)
- MS middle slope
- TB hillside terrace/bench
- US upper slope
- E cliff/ledge
- C crest
- M high plateau
- N narrow valley
- D drainage channel

Habitat patchiness (describe zones or patches if present): Along rivershore relatively uniform

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth: _____ cm OR > 1 m _____

vonPost decomposition: _____

ALL SOILS:

DEPTH TO WATER TABLE: _____

DEPTH to OBSTRUCTION: _____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:
- bedrock
- talus slope
- glacial till
- moraine
- esker/outwash
- glacial delta
- lacustrine/fluvial
- marine
- aeolian
- other:

Surface:
- _____% Bedrock
- _____% Boulders (>50 cm)
- _____% Cobbles/Gravel
- 20 % Bare mineral soil
- _____% Organic soil
- 80 % Litter (note type) Broadleaf
- _____% Water
- _____% Total vegetation
- _____ Other:

Average Texture:
- gravel
- sand
- loamy sand / sandy loam
- loam
- silt loam
- clay loams
- sandy clay / clay
- peat
- muck

Bedrock type:

Igneous
- granite
- dioritic
- gabbroic
- other igneous _____

Metamorphic
- slate/phyllite
- schist/gneiss
- other metamorphic _____

Sedimentary
- limestone
- other sedimentary _____

details?

Soil stoniness:
- v. little (< 1%)
- moderate (2-25%)
- very (25-100%)

Drainage & moisture regime (see MAPPSS key):
- very poorly drained
- poorly drained
- somewhat poorly drained
- (moderately well drained) upland portion
- well drained
- somewhat excessively drained
- excessively drained

Hydrologic regime:
- upland
- nontidal wetland:
  - permanently flooded
  - semipermanently flooded
  - (seasonally flooded)
  - saturated
- tidal - irregularly
- tidal - regularly
  - saltwater
  - brackish
  - freshwater
- unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch T080 North			Date: 12 November 1998
(Site name:)		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Roy, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.	Directions (if not obvious from topo or Maine Atlas):

VEGETATION / HABITAT

Observation Point 1 T080, N	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 12°, 165° Neg., gently sloped shelf	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%): 65 Acer negundo Ulmus americana Populus deltoides	Tree layer: Total cover (%):	Tree layer: Total cover (%):
Sapling / tall shrub layer: Total cover (%) 20 Vitis riparia Acer platanoides	Sapling / tall shrub layer: Total cover (%)	Sapling / tall shrub layer: Total cover (%)
Shrub (1-2 m) layer: Total cover (%) 25 Lonicera morrowii Rosa multiflora	Shrub (1-2 m) layer: Total cover (%)	Shrub (1-2 m) layer: Total cover (%)
Herb layer: Total cover (%) 40 Poa nemeralis Argeratina altissima	Herb layer: Total cover (%)	Herb layer: Total cover (%)
Bryoid layer: Total cover (%) 0	Bryoid layer: Total cover (%)	Bryoid layer: Total cover (%)
Other diagnostic or notable species: Populus deltoides	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Exotic species; fencing; community adjacent to parking lot	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 X 33 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY — PART II: DESCRIPTION

→ complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # T080 N
Community type: Floodplain / Early Successional forest		Adjacent communities:	
Quad: Pitts. East	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
80 feet	① Populus del. 32" dbh +/- 38 ybp	Some deadwood in plot 6-8" dbh.	
subcanopy trees? No	② Acer neg. 18" dbh 47 ybp		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
No	No	No	No	No

comment: Upland edge of forest cut-off by residential development – chain fence bordering forest/residential area

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Populus deltoides
Fallopia japonica
Equisetum arvense
Rhamnus cat.
Geum canadense
Berberis thun.
Viburnum opulus var. americanum

Species list sketchy or basically complete? Comment:
relatively complete for fall survey.

VEGETATION PLOT DATA

Area: Housatonic River, East Branch	Obs. pt. #: T080 North
Community type: Floodplain / Early Successional forest	(Regional alliance/community:)

LAYER 50 X 33'	plot # T080 N			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	Acer negundo 9" Stan. dead 11" Ace. neg. 5" 5" 16" 13" Ace. saccharum 5" Ulmus ame. 5, 9, 5, 5"	dbh dbh dbh dbh dbh dbh dbh		
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	Sorbus aucuparia Prunus virginiana Acer platanoides Ulmus american Vitis riparia	(9) (3) (3) (1) (3)		
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 2.8 m radius or 25 m²	Lonicer morrowii Rosa multiflora Euonymus europaea ~~Argeratina altissima~~	(19) (3) (1)		
HERS cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Argeratina altissima Solidago gigantea Aliaria petiolata Poa nemeralis Symphiotrichum cordifolium (1) Epipactis hell. Rubus occidentalis Symphiotrichum lateriflorum (1) Carex cf. projecta (1)	(9) (9) (9) (9) (1) (1)		
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.	Essentially absent on ground			
REMARKS	Large Populus deltoides (up to 43 inch DBH) present outside of plot			

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: T080 N

Community type: Floodplain / Early successional forest | (Regional alliance/community:)

Elevation: 300 meters

Aspect: (magnetic) or true? 165°

Slope: 12° (measured) or estimated?

Microtopography: Habitat patchiness: uniform along the river

pH (note kit or meter type)

Topographic position:

P low plain, level
T toe of slope
(LS lower slope)
MS middle slope
TB hillside terrace/bench
US upper slope
E cliff/ledge
C crest
M high plateau
N narrow valley
D drainage channel

Habitat patchiness (describe zones or patches if present): Relatively level shelf dropping abruptly into river

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth:_____cm OR > 1 m_____

vonPost decomposition:_____

ALL SOILS:

DEPTH TO WATER TABLE:_____

DEPTH to OBSTRUCTION:_____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:

bedrock
talus slope
glacial till
moraine
esker/outwash
glacial delta
lacustrine/fluvial
marine
aeolian
other:

Surface:

_____% Bedrock
_____% Boulders (>50 cm)
_____% Cobbles/Gravel
5 % Bare mineral soil
_____% Organic soil
55 % Litter (note type) Broad leaf
_____% Water
40 % Total vegetation
_____ Other:

Average Texture:

gravel
sand
loamy sand / sandy loam
loam
silt loam
clay loams
sandy clay / clay
peat
muck

Bedrock type:

Igneous
granite
dioritic
gabbroic
other igneous
_____
Metamorphic
slate/phyllite
schist/gneiss
other metamorphic
_____

Sedimentary
limestone
other sedimentary
_____
details?

Soil stoniness:

v. little (< 1%)
moderate (2-25%)
very (25-100%)

Drainage & moisture regime (see MAPPSS key):

very poorly drained
poorly drained
somewhat poorly drained
moderately well drained
well drained
somewhat excessively drained
excessively drained

Hydrologic regime:

(upland)

nontidal wetland:
permanently flooded
semiperm'ly flooded
(seasonally flooded)
saturated

tidal - irregularly
tidal - regularly
saltwater
brackish
freshwater

unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch T088, North			Date: 11 November 1998
(Site name:)		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Roy, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

VEGETATION / HABITAT

Observation Point 1 T088	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil: Alluvial	Soil:	Soil:
Slope, aspect, topography: 14°, 120°M, river terrace	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%): 70 Populus deltoides Acer negundo	Tree layer: Total cover (%):	Tree layer: Total cover (%):
Sapling / tall shrub layer: Total cover (%) 20 Rhamnus cat. Vitis rip. Celastrus orb.	Sapling / tall shrub layer: Total cover (%)	Sapling / tall shrub layer: Total cover (%)
Shrub (1-2 m) layer: Total cover (%) 30 Rhamnus cat. Berberis thun.	Shrub (1-2 m) layer: Total cover (%)	Shrub (1-2 m) layer: Total cover (%)
Herb layer: Total cover (%) 50 Rubus idaeus Poa nemoralis Elymus riparius	Herb layer: Total cover (%)	Herb layer: Total cover (%)
Bryoid layer: Total cover (%) Absent	Bryoid layer: Total cover (%)	Bryoid layer: Total cover (%)
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Exotic species	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? Yes 50 X 29' tree cores? Yes photos? Yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

→ complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # T088 N
Community type: Floodplain / Early successional forest			Adjacent communities:
Quad: Pitts. East	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height: 80'	Core data: ring counts (– 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay): Some deadwood, mostly Acer negundo. Most downed wood are smaller tree branches.
supercanopy trees? ND	1. Acer negundo 14 DBH", 51 ybp 2. Populus deltoides 36 DBH", +/- 71 ybp	

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
ND	Yes - blowdowns	None	No	No

comment:

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Chelidonium majus
Poa nemoralis
Malus sylvestris
Geum canadense
Hesperis matronalis
Rosa multiflora
Clematis virginiana
Parthenocissus quinquefolius
Fallopia sachalinensis

Species list sketchy or basically complete? Comment:

Complete for time of year

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: T088

Community type: Floodplain / Early Successional Forest | (Regional alliance/community:)

LAYER	plot #			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 X 29' note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	Populus deltoides 18, 36 Ulmus americana 5, 9 Acer negundo 5, 16			
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	Acer platanoides (3) Acer negundo (3) Rhamnus cat. (3) Vitis riparia (9) Celastrus orb. (19)			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 2.8 m radius or 25 m²	Berberis thun. (9) Rhamnus cat. (3) Euonymous alatus (3)			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Rubus idaeus (9) Solidago gigantea (3) Elymus riparius (3) Lysimachia ciliata (3) Viburnum opulus var. opulus (3) Prunus pensylvanica (1)			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.				
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 / 2-5% 3 / 6-12% 9 / 13-24% 19 / 25-49% 37 / 50-74% 63 / 75-100% 87

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: T088, N

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation: 300 meters | Aspect: 120° (magnetic) or true? | Slope: (measured) or estimated? 14° | Microtopography: Relatively level shelf that drops abruptly into river.

pH (note kit or meter type)

Topographic position:
- P low plain, level
- T toe of slope
- (LS lower slope)
- MS middle slope
- TB hillside terrace/bench
- US upper slope
- E cliff/ledge
- C crest
- M high plateau
- N narrow valley
- D drainage channel

Habitat patchiness (describe zones or patches if present): Uniform parallel to river

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth:_____cm OR > 1 m_____

vonPost decomposition:_____

ALL SOILS:

DEPTH TO WATER TABLE:_____

DEPTH to OBSTRUCTION:_____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:
- bedrock
- talus slope
- glacial till
- moraine
- esker/outwash
- glacial delta
- (lacustrine/fluvial)
- marine
- aeolian
- other:

Surface:
- ____% Bedrock
- ____% Boulders (>50 cm)
- ____% Cobbles/Gravel
- 5 % Bare mineral soil
- ____% Organic soil
- 50 % Litter (note type) Broadleaf
- ____% Water
- 45 % Total vegetation
- ____ Other:

Average Texture:
- gravel
- sand
- loamy sand / sandy loam
- loam
- silt loam
- clay loams
- sandy clay / clay
- peat
- muck

Bedrock type:

Igneous
- granite
- dioritic
- gabbroic
- other igneous
- _____

Metamorphic
- slate/phyllite
- schist/gneiss
- other metamorphic
- _____

Sedimentary
- limestone
- other sedimentary
- _____

details?

Soil stoniness:
- v. little (< 1%)
- moderate (2-25%)
- very (25-100%)

Drainage & moisture regime (see MAPPSS key):
- very poorly drained
- poorly drained
- somewhat poorly drained
- moderately well drained
- well drained
- somewhat excessively drained
- excessively drained

Hydrologic regime:
- upland
- nontidal wetland:
  - permanently flooded
  - semiperm'ly flooded
  - (seasonally flooded)
  - saturated
- tidal - irregularly
- tidal - regularly
  - saltwater
  - brackish
  - freshwater
- unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE

Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch			Date: 11 November 1998
(Site name:) T 110 North		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Ray, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.	Directions (if not obvious from topo or Maine Atlas):

VEGETATION / HABITAT

Observation Point 1 T110	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional FOREST	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 20-90°, 154° mag., steep sloped bank	Slope, aspect, topography:	Slope, aspect, topography:
STRATA*: cover & 1-2 dominant spp. for each	STRATA*: cover & 1-2 dominant spp. for each	STRATA*: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%): 70 Acer platanoides Acer negundo	Tree layer: Total cover (%):	Tree layer: Total cover (%):
Sapling / tall shrub layer: Total cover (%) 30 Acer platanoides Vitis riparia Celastrus orbiculatus	Sapling / tall shrub layer: Total cover (%)	Sapling / tall shrub layer: Total cover (%)
Shrub (1-2 m) layer: Total cover (%) 30 Lonicera morrowii Berberis thunbergii	Shrub (1-2 m) layer: Total cover (%)	Shrub (1-2 m) layer: Total cover (%)
Herb layer: Total cover (%) 10 Poa nemoralis	Herb layer: Total cover (%)	Herb layer: Total cover (%)
Bryoid layer: Total cover (%)	Bryoid layer: Total cover (%)	Bryoid layer: Total cover (%)
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use:	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? tree cores? photos? Yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

→ complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # T110 North
Community type: Floodplain / Early Successional forest		Adjacent communities:	
Quad: Pitts. East	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
supercanopy trees? NO	①Acer saccharum 26 years bp, 6 inch dbh ②Acer platanoides 29 ybp, 8 inch dbh	Abundant small branches, few logs with advanced decay.	

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire: NO	Wind: Downed limbs	Cutting:	Agriculture: NO	Impoundment: NO

comment: Drainage culverts; Man-made shoring w/ cobbles thruout plot

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.	Species list sketchy or basically complete? Comment:
Malus sylvestris Celastrus orbiculatus Solidago altissima Solanum dulcamera Lolium arundinaceum	

VEGETATION PLOT DATA

Area: Housatonic River, East Branch				Obs. pt. #: T110
Community type: Floodplain / Early Successional forest			(Regional alliance/community:)	
LAYER 50 x 21'	plot # T110			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	Standing dead 10" dbh Acer saccharum 6" dbh Acer plat. 5" dbh Acer plat. 8" dbh Acer negundo 12" dbh			
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 2.8 m radius or 25 m^2	Acer plat. (3) Vitis riparia (19) Rosa multiflora (3) Acer negundo (3)			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 2.8 m radius or 25 m^2	Viburnum opulus (3) var. opulus Berberis thun. (9) Lonicera morrowii (3) Berberis vulgaris (3) Euonymous atropurpurea (3)			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m^2, 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Poa nemeralis (9) Lonicera morrowii (1) Solidago gigantea (1) Symphyotrichum lateriflorum (1)			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.				
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 / 2-5% 3 / 6-12% 9 / 13-24% 19 / 25-49% 37 / 50-74% 63 / 75-100% 87

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: T110 North

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation: 300 meters

Aspect: (magnetic) or true? 154°

Slope: 20 to 90° (measured) or estimated?

Microtopography: Varying angled slope

pH (note kit or meter type)

Topographic position:
P low plain, level
T top of slope
(LS lower slope)
MS middle slope
TB hillside terrace/bench
US upper slope
E cliff/ledge
C crest
M high plateau
N narrow valley
D drainage channel

Habitat patchiness (describe zones or patches if present): Uniform along river

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth:_____cm OR > 1 m_____

vonPost decomposition:_____

ALL SOILS:

DEPTH TO WATER TABLE:_____

DEPTH to OBSTRUCTION:_____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:
bedrock
talus slope
glacial till
moraine
esker/outwash
glacial delta
lacustrine/fluvial
marine
aeolian
other: Cobble bank

Surface:
____% Bedrock
____% Boulders (>50 cm)
25 % Cobbles/Gravel deposited
5 % Bare mineral soil
____% Organic soil
50 % Litter (note type)
____% Water
20 % Total vegetation
____ Other:

Average Texture:
gravel
sand
loamy sand / sandy loam
loam
silt loam
clay loams
sandy clay / clay
peat
muck

Bedrock type:
Igneous
granite
dioritic
gabbroic
other igneous
_____
Metamorphic
slate/phyllite
schist/gneiss
other metamorphic
_____
Sedimentary
limestone
other sedimentary
_____
details?

Soil stoniness:
v. little (< 1%)
moderate (2-25%)
very (25-100%)

Drainage & moisture regime (see MAPPSS key):
very poorly drained
poorly drained
somewhat poorly drained
moderately well drained
(well drained)
somewhat excessively drained
excessively drained

Hydrologic regime:
(upland)
nontidal wetland:
permanently flooded
semiperm'ly flooded
seasonally flooded
saturated
tidal - irregularly
tidal - regularly
saltwater
brackish
freshwater
unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE

Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch T120 North			Date: 11 November 1998
(Site name:)		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Roy, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.	Directions (if not obvious from topo or Maine Atlas):

VEGETATION / HABITAT

Observation Point 1 T120	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil: Influenced by coal (dark color) coal observed	Soil:	Soil:
Slope, aspect, topography: X=31°, 156° Mag, steep, uneven sloped bank	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%): 75 Acer platanoides Ulmus americana	Tree layer: Total cover (%):	Tree layer: Total cover (%):
Sapling / tall shrub layer: Total cover (%) 40 Vitis riparia Rosa multiflora	Sapling / tall shrub layer: Total cover (%)	Sapling / tall shrub layer: Total cover (%)
Shrub (1-2 m) layer: Total cover (%) 20 Ligustrum cf. vulgarea Solanum dulcamera	Shrub (1-2 m) layer: Total cover (%)	Shrub (1-2 m) layer: Total cover (%)
Herb layer: Total cover (%) 15 Poa nemoralis Alliaria petiolata Euonymus fortunei	Herb layer: Total cover (%)	Herb layer: Total cover (%)
Bryoid layer: Total cover (%) Essentially absent	Bryoid layer: Total cover (%)	Bryoid layer: Total cover (%)
Other diagnostic or notable species: Acer negundo	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Exotic plants; cobble sloping of bank; abundant broken glass and litter; culvert	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50x40 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

VEGETATION PLOT DATA

Area: Housatonic River, East Branch				Obs. pt. #: T120
Community type: Floodplain / Early Successional forest			(Regional alliance/community:)	
LAYER 50 x > 40'	plot # T120			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: note which size used 5.64 m radius for 1/100th ha 50 x 40 feet 7.98 m radius for 2/100th ha use same size throughout!	Acer platanoides 5" dbh " 7" dbh " 6" dbh " 12" dbh Malus sylvestrus 5" dbh Acer platan. 5" " Ulmus amer. 6" " " 6" " Acer platan. 5 "			
SAPLING / TALL SHRUB cover class by species of trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	Vitis riparia (37) Acer saccharum (3) Rosa multiflora (3) Acer platan. (3)			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 2.8 m radius or 25 m²	Ligustrum cf. vulgere (3) Solanum dul. (3) Ligustrum cf. amurense (3)			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Euonymus fortunei (3) Alliaria petiolata (3) Poa nemoralis (1) Solidago gigantea (1)			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.				
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 / 2-5% 3 / 6-12% 9 / 13-24% 19 / 25-49% 37 / 50-74% 63 / 75-100% 87

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

→ complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # T120, north
Community type: Floodplain / Early Successional forest			Adjacent communities:
Quad: Pittsfield East	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	ptendophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):
60'	① Acer platanoides 12 inch DBH, 27 ybp	Some dead stems of trees (up to 23 inches diameter)
supercanopy trees? NO	② Acer platanoides 13 inch DBH, 29 ybp	

HISTORY (describe evidence or lack thereof: please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
NO	NO	NO	NO	NO

comment: angular cobble shoring along bank; drainage ditches

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Fallopia satchilenensis sp
Symphiotrichum lateriflorum
Lonicera morrowii
Cornus amomum
Rhamnus cathartica

Species list sketchy or basically complete? Comment:

Complete fall list

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: T120

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation: 294 meters

Aspect: (magnetic) or true? 156°

Slope: 31° X= measured or estimated?

Microtopography: uneven slope, with cobble laid drainage ditch

pH (note kit or meter type)

Topographic position:
P low plain, level
T toe of slope
(LS lower slope)
MS middle slope
TB hillside terrace/bench
US upper slope
E cliff/ledge
C crest
M high plateau
N narrow valley
D drainage channel

Habitat patchiness (describe zones or patches if present): Somewhat patchy, a few small open areas with no trees are filled with Rosa multiflora

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth:_____cm OR > 1 m_____

vonPost decomposition:_____

ALL SOILS:

DEPTH TO WATER TABLE:_____

DEPTH to OBSTRUCTION:_____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:
bedrock
talus slope
glacial till
moraine
esker/outwash
glacial delta
lacustrine/fluvial
marine
aeolian
other: Cobbles

Surface:
____% Bedrock
____% Boulders (>50 cm)
10 % Cobbles/Gravel (deposited)
10 % Bare mineral soil
____% Organic soil
70 % Litter (note type) broadleaf
10 % Water
____% Total vegetation
____ Other:

Average Texture:
gravel
sand
loamy sand / sandy loam
loam
silt loam
clay loams
sandy clay / clay
peat
muck

Bedrock type:
Igneous
granite
dioritic
gabbroic
other igneous
_____
Metamorphic
slate/phyllite
schist/gneiss
other metamorphic
_____
Sedimentary
limestone
other sedimentary
_____
details?

Soil stoniness:
v. little (< 1%)
moderate (2-25%)
very (25-100%)

Drainage & moisture regime (see MAPPSS key):
very poorly drained
poorly drained
somewhat poorly drained
moderately well drained
well drained
somewhat excessively drained
excessively drained

Hydrologic regime:
(upland)
nontidal wetland:
permanently flooded
semiperm'ly flooded
seasonally flooded
saturated
tidal - irregularly
tidal - regularly
saltwater
brackish
freshwater
unknown

NATURAL COMMUNITY SURVEY — PART I: RECONNAISSANCE — Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch T130			Date: 11 November 1998
(Site name:)		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Ray, Vickie Schoonard	Town: Pitts field County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pitts field East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

VEGETATION / HABITAT

Observation Point 1	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 22°, 120° Magnetic, gently sloped shelf	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%): 60 Populus deltoides	Tree layer: Total cover (%):	Tree layer: Total cover (%):
Sapling / tall shrub layer: Total cover (%) 60 Acer platanoides Rosa multiflora	Sapling / tall shrub layer: Total cover (%)	Sapling / tall shrub layer: Total cover (%)
Shrub (1-2 m) layer: Total cover (%) 20 Rosa multiflora	Shrub (1-2 m) layer: Total cover (%)	Shrub (1-2 m) layer: Total cover (%)
Herb layer: Total cover (%) 35 Solidago flexicaulis Agrostis stolonifera Alliaria petiolata	Herb layer: Total cover (%)	Herb layer: Total cover (%)
Bryoid layer: Total cover (%)	Bryoid layer: Total cover (%)	Bryoid layer: Total cover (%)
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Riparian zone cut short on upland end by residential lawns	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? yes, 50 x 29 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

-> complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # T130
Community type: Floodplain / Early successional forest			Adjacent communities:
Quad: Pittsfield East	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height:	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
80 feet	① Populus deltoides 31 inch dbh, 47 ybp	Some dead material, largely composed of limbs from taller trees.	
supercanopy trees? NO	② Acer negundo 10 inch dbh, 26 ybp		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
NO	NO	upland edge of riparian zone	NO	NO

comment: Boulder rip-rack just downstream of plot

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Lonicera morrowii
Scutellaria lateriflora
Rumex crispus
Ranunculus repens
Agrimonia striata
Bromus latiglumis
Argeratina altissima
Acer negundo
Elymus canadensis
Elymus riparius
Rubus occidentalis

Species list sketchy or basically complete? Comment:

Relatively complete

VEGETATION PLOT DATA

Area: Housatonic River, East Branch	Obs. pt. #: T130, north
Community type: Floodplain / Early Successional forest	(Regional alliance/community:)

LAYER	plot # T130, North			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 X 29 feet note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	Populus deltoides 31"			
SAPLING / TALL SHRUB cover class by species of trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	Acer platanoides (63) Vitis riparia (3) Rosa multiflora (19)			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 2.8 m radius or 25 m²	Acer platanoides (3) Rosa multiflora (9) Physocarpus opulifolius			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Euonymus fortunei (3) Solidago flexicaulis (3) Alliaria petiolata (3) Hesperis matronalis (1) Lythrum salicaria (1) Cornus sericea (1) Agrostis stolonifera (3)			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.				
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: T130

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation:	Aspect:	Slope:	Microtopography:
294 meters	120° (magnetic) or true?	22° (measured) or estimated?	uneven, gently sloped shelf

pH	Topographic position:			Habitat patchiness (describe zones or patches if present):
(note kit or meter type)	P low plain, level T toe of slope LS lower slope MS middle slope	TB hillside terrace/bench US upper slope E cliff/ledge	C crest M high plateau N narrow valley D drainage channel	Patchy As to understory [herb dominated US. shrub/sapling dominated understories]

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth:_____cm OR > 1 m_____

vonPost decomposition:_____

ALL SOILS:

DEPTH TO WATER TABLE:_____

DEPTH to OBSTRUCTION:_____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:

- bedrock
- talus slope
- glacial till
- moraine
- esker/outwash
- glacial delta
- lacustrine/fluvial
- marine
- aeolian
- other:

Surface:

- ____% Bedrock
- ____% Boulders (>50 cm)
- 5 % Cobbles/Gravel
- 5 % Bare mineral soil
- ____% Organic soil
- 40 % Litter (note type) broadleaf
- ____% Water
- 50 % Total vegetation
- ____ Other:

Average Texture:

- gravel
- sand
- loamy sand / sandy loam
- loam
- silt loam
- clay loams
- sandy clay / clay
- peat
- muck

Bedrock type:

Igneous
- granite
- dioritic
- gabbroic
- other igneous

_____

Metamorphic
- slate/phyllite
- schist/gneiss
- other metamorphic

_____

Sedimentary
- limestone
- other sedimentary

_____

details?

Soil stoniness:

- v. little (< 1%)
- moderate (2-25%)
- very (25-100%)

Drainage & moisture regime (see MAPPSS key):

- very poorly drained
- poorly drained
- somewhat poorly drained
- moderately well drained
- well drained
- somewhat excessively drained
- excessively drained

Hydrologic regime:

- upland
- nontidal wetland:
  - permanently flooded
  - semiperm'ly flooded
  - (seasonally flooded)
  - saturated
- tidal - irregularly
- tidal - regularly
  - saltwater
  - brackish
  - freshwater
- unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch T140, North			Date: 11 November 1998
(Site name:)		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Ray, Vickie Schaward	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5 Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

VEGETATION / HABITAT

Observation Point 1 T140 North	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%):_____ Absent	Tree layer: Total cover (%):_____	Tree layer: Total cover (%):_____
Sapling / tall shrub layer: Total cover (%)_____ Absent	Sapling / tall shrub layer: Total cover (%)_____	Sapling / tall shrub layer: Total cover (%)_____
Shrub (1-2 m) layer: Total cover (%)_____ Absent	Shrub (1-2 m) layer: Total cover (%)_____	Shrub (1-2 m) layer: Total cover (%)_____
Herb layer: Total cover (%) 85 Phalaris arundinacea Agrostis stolonifera	Herb layer: Total cover (%)_____	Herb layer: Total cover (%)_____
Bryoid layer: Total cover (%)_____ Absent	Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Engineered shoreline - rip rap	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? Yes 50x5' tree cores? NO photos? Yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

→ complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # T140, North
Community type: Floodplain / Early Successional forest		Adjacent communities:	
Quad: Pittsfield East	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
forest	evergreen woody	broad-leaf woody
woodland	deciduous woody	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height: NA	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay): none	
supercanopy trees? NA	NO		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
NO	NO	NO	NO	NO

comment: Rock rip-rap wall has cut riparian zone to 1.5 meters wide.

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Epilobium coloratum
Lolium arundinaceum
Urtica dioica
Symphiotricum lateriflorum

Species list sketchy or basically complete? Comment:

relatively complete

VEGETATION PLOT DATA

Area: Housatonic River, East Branch				Obs. pt. #: T140
Community type: Floodplain / Early Successional forest			(Regional alliance/community:)	

LAYER	plot #			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 X 5 feet note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	NA			
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	NA			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 2.8 m radius or 25 m²	NA			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Lythrum salicaria (3) Phalaris arundinacea (37) Elymus riparius (1) Juncus articulatus (3) Persicaria pensylvanica (1) Rumex crispus (1) Agrostis stolonifera (19) Persicaria hydropiper (1)	Bidens cernua (1) Myosotis scorpioides (3)		
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.	Absent			
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: T140, N

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation:	Aspect:	Slope:	Microtopography:
294 meters	(magnetic) or true? 148°	(measured) or estimated? 8°	Relatively even ground

pH (note kit or meter type)

Topographic position:
P low plain, level
T toe of slope
LS lower slope
MS middle slope
TB hillside terrace/bench
US upper slope
E cliff/ledge
C crest
M high plateau
N narrow valley
(D drainage channel)

Habitat patchiness (describe zones or patches if present): Uniform

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth:_____cm OR > 1 m_____

vonPost decomposition:_____

ALL SOILS:

DEPTH TO WATER TABLE:_____

DEPTH to OBSTRUCTION:_____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:
bedrock
talus slope
glacial till
moraine
esker/outwash
glacial delta
lacustrine/fluvial
marine
aeolian
other:

Surface:
_____% Bedrock
_____% Boulders (>50 cm)
5 % Cobbles/Gravel deposited cobble
5 % Bare mineral soil
_____% Organic soil
5 % Litter (note type) Broad leaf + graminoid
_____% Water
85 % Total vegetation
_____ Other:

Average Texture:
gravel
sand
loamy sand / sandy loam
loam
silt loam
clay loams
sandy clay / clay
peat
muck

Bedrock type:
Igneous
granite
dioritic
gabbroic
other igneous
_____
Metamorphic
slate/phyllite
schist/gneiss
other metamorphic
_____
Sedimentary
limestone
other sedimentary
_____
details?

Soil stoniness:
v. little (< 1%)
moderate (2-25%)
very (25-100%)

Drainage & moisture regime (see MAPPSS key):
very poorly drained
poorly drained
(somewhat poorly drained)
moderately well drained
well drained
somewhat excessively drained
excessively drained

Hydrologic regime:
upland
nontidal wetland:
permanently flooded
semiperm'ly flooded
(seasonally flooded)
saturated
tidal - irregularly
tidal - regularly
saltwater
brackish
freshwater
unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch T148, North			Date: 12 November 1998
(Site name:)		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Ray, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.	Directions (if not obvious from topo or Maine Atlas):

VEGETATION / HABITAT

Observation Point 1 T148, N	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography 10°, 134°Mg., lower slope	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%): 16 Populus deltoides	Tree layer: Total cover (%):	Tree layer: Total cover (%):
Sapling / tall shrub layer: Total cover (%) 15 Acer negundo	Sapling / tall shrub layer: Total cover (%)	Sapling / tall shrub layer: Total cover (%)
Shrub (1-2 m) layer: Total cover (%) 30 Vitis riparia Rosa mult. flga Acer negundo	Shrub (1-2 m) layer: Total cover (%)	Shrub (1-2 m) layer: Total cover (%)
Herb layer: Total cover (%) 50 Phalaris arundinacea Rumex crispus	Herb layer: Total cover (%)	Herb layer: Total cover (%)
Bryoid layer: Total cover (%) Absent	Bryoid layer: Total cover (%)	Bryoid layer: Total cover (%)
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: cutting; exotic species; steel drum and RR rail.	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50x29 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

→ complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # T148, N
Community type: Floodplain / Early Successional forest		Adjacent communities:	
Quad: Pittsfield, East	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
forest	evergreen woody	broad-leaf woody
woodland	deciduous woody	needle-leaf woody
shrubland	mixed woody	(graminoid)
dwarf shrubland	(perennial)	forb
(herbaceous)	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height:	Core data: ring counts (– 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
77 feet	① Populus deltoides 19 inch dbh, +/- 35 ybp	fallen branches and cut saplings	
supercanopy trees? yes, Populus deltoides	② Populus deltoides 13 inch dbh, 39 ybp		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
NO	NO	yes, a little clearing near residence	NO	NO

comment: upland edge of community abreviated by residences.

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Lythrum salicaria
Bromus latiglumus
Myosotis scorpioides
Celastrus orbiculatus
Euonymus ~~europaea~~ cf. atropurpuraea

Species list sketchy or basically complete? Comment:

Relatively complete

VEGETATION PLOT DATA

Area: Housatonic River, East Branch			Obs. pt. #: T148, N
Community type: Floodplain / Early Successional forest		(Regional alliance/community:)	

LAYER	plot # T148 N		
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 X 29 feet note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	Pop. del. 19" dbh Ulm. ame. 5" dbh Pop. del. 13" dbh		
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	Acer neg. (3)		
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 2.8 m radius or 25 m²	Acer neg. (9) Vitis riparia (9) Solanum dulcamera (3) Cornus sericea (3) Geum alepicum (1) Calystegia sepium (9)		
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Aliaria petiolata (3) Rosa multiflora (3) Phalaris aru. (37) Agrostis stolon. (3) Tussilago farfara (1) Epilobium coloratum (1)		
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.			
REMARKS			

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: T148 N

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation: 294 meters

Aspect: 134° (magnetic) or true?

Slope: 10° (measured) or estimated?

Microtopography: Sloping ground and drainage channel

pH (note kit or meter type)

Topographic position:

P low plain, level
T toe of slope
(LS lower slope)
MS middle slope
TB hillside terrace/bench
US upper slope
E cliff/ledge
C crest
M high plateau
N narrow valley
D drainage channel

Habitat patchiness (describe zones or patches if present): Patchy, river fringed by grasses, upland a mixture of forest and shrub/liana thickets.

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth:_____cm OR > 1 m_____

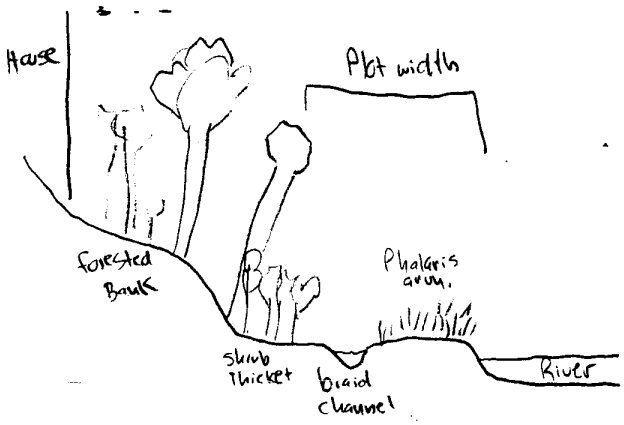
vonPost decomposition:_____

ALL SOILS:

DEPTH TO WATER TABLE:_____

DEPTH to OBSTRUCTION:_____

Soil temperature reading _____ F/C at _____ (depth)



Surficial deposit:

bedrock
talus slope
glacial till
moraine
esker/outwash
glacial delta
lacustrine/fluvial
marine
aeolian
other:

Surface:

_____% Bedrock
_____% Boulders (>50 cm)
_____% Cobbles/Gravel
10 % Bare mineral soil
_____% Organic soil
35 % Litter (note type) Broad leaf + graminoid
5 % Water
50 % Total vegetation
_____ Other:

Average Texture:

gravel
sand
loamy sand / sandy loam
loam
silt loam
clay loams
sandy clay / clay
peat
muck

Bedrock type:

Igneous
granite
dioritic
gabbroic
other igneous
_____
Metamorphic
slate/phyllite
schist/gneiss
other metamorphic
_____

Sedimentary
limestone
other sedimentary
_____
details?

Soil stoniness:

v. little (< 1%)
moderate (2-25%)
very (25-100%)

Drainage & moisture regime (see MAPPSS key):

very poorly drained
poorly drained
somewhat poorly drained
moderately well drained
well drained
somewhat excessively drained
excessively drained

Hydrologic regime:

upland
nontidal wetland:
permanently flooded
semipermanently flooded
(seasonally flooded)
saturated
tidal - irregularly
tidal - regularly
saltwater
brackish
freshwater
unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch T160 North			Date: 12 November 1998
(Site name:)		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Roy, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5 Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.	Directions (if not obvious from topo or Maine Atlas):

VEGETATION / HABITAT

Observation Point 1 T170	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 1-40°, 190° mag, flat shelf to moderate slope	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%): 70 Acer negundo Acer platanoides	Tree layer: Total cover (%):	Tree layer: Total cover (%):
Sapling / tall shrub layer: Total cover (%) 30 Celastrus orbiculatus Acer platanoides	Sapling / tall shrub layer: Total cover (%)	Sapling / tall shrub layer: Total cover (%)
Shrub (1-2 m) layer: Total cover (%) 30 Lonicera Morrowii Ligustrum vulgare Rosa multiflora	Shrub (1-2 m) layer: Total cover (%)	Shrub (1-2 m) layer: Total cover (%)
Herb layer: Total cover (%) 40 Argentina altissima Euonymus fortunei Hesperis matronalis	Herb layer: Total cover (%)	Herb layer: Total cover (%)
Bryoid layer: Total cover (%) Essentially absent	Bryoid layer: Total cover (%)	Bryoid layer: Total cover (%)
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Exotic plant species; trash along river; refuse heaps	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50X40 tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

-> complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # T160 N
Community type: Floodplain / Early successional forest		Adjacent communities:	
Quad: Pittsfield, East	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	deciduous woody	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	ptendophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height:	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
70 feet	① Acer negundo 14 inch dbh, 43 ybp	Some deadly, mostly larger branches of canopy trees	
supercanopy trees? NO	② Ulmus americana 12 inch dbh, 30 ybp		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
NO	NO	NO	NO	NO

comment: Trash along river; tremendous erosion around culvert just downstream of Plot

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Euonymus alatus
Ulmus americana
Solidago gigantea
Lonicera morrowii
Celastrus orbiculatus
Poa nemeralis
Argeratina altissima

Species list sketchy or basically complete? Comment:

Relatively complete

VEGETATION PLOT DATA

Area: Housatonic River, East Branch				Obs. pt. #: T160 N
Community type: Floodplain / Early Successional forest			(Regional alliance/community:)	

LAYER	plot # T160 North			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50x40 feet note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	Acer plat. DBHs 5", 5", 5", 5", 5", 5", 5", 7" Acer neg. 15", 10", 18", 5", 6", 5", 5", 6" 8" Aesculus hippocastanum 7"			
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	Acer negundo (3) Acer plat. (3) Ligustrum vul. (9) Rosa multiflora (9) Celastrus orb. (9)			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	Lig. Vul. (3) Rosa mul. (3) Acer neg. (1)			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Symphiotrichum cor. (1) Viola sororia (1) Rudbeckia laciniata (1) Rhamnus cat. (1) Alliaria pet. (1) Hesperis matronalis (9) Euonymus fortunii (9) Geum can. (3) Chelidonium majus (3)			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss","liverwort","lichen" only; __identified to major group; __identified to genus; __identified to species.				
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: T160 N

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation:	Aspect:	Slope:	Microtopography:
244 meters	(magnetic) or true? 140°	1° shelf that drops to 40° into river (measured) or estimated?	level shelf that changes to a steep slope to river

pH	Topographic position:			Habitat patchiness (describe zones or patches if present):
(note kit or meter type)	P low plain, level T toe of slope (LS lower slope) MS middle slope	TB hillside terrace/bench US upper slope E cliff/ledge	C crest M high plateau N narrow valley D drainage channel	Uniform along river

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth: _____ cm OR > 1 m _____

vonPost decomposition: _____

ALL SOILS:

DEPTH TO WATER TABLE: _____

DEPTH to OBSTRUCTION: _____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:

- bedrock
- talus slope
- glacial till
- moraine
- esker/outwash
- glacial delta
- lacustrine/fluvial
- marine
- aeolian
- other:

Surface:

- _____ % Bedrock
- _____ % Boulders (>50 cm)
- _____ % Cobbles/Gravel
- 5 % Bare mineral soil
- _____ % Organic soil
- 40 % Litter (note type) Broad leaf
- _____ % Water
- 55 % Total vegetation
- _____ Other:

Average Texture:

- gravel
- sand
- loamy sand / sandy loam
- loam
- silt loam
- clay loams
- sandy clay / clay
- peat
- muck

Bedrock type:

Igneous
- granite
- dioritic
- gabbroic
- other igneous

_____

Metamorphic
- slate/phyllite
- schist/gneiss
- other metamorphic

_____

Sedimentary
- limestone
- other sedimentary

_____

details?

Soil stoniness:

- v. little (< 1%)
- moderate (2-25%)
- very (25-100%)

Drainage & moisture regime (see MAPPSS key):

- very poorly drained
- poorly drained
- somewhat poorly drained
- moderately well drained
- well drained
- somewhat excessively drained
- excessively drained

Hydrologic regime:

(upland)

nontidal wetland:
- permanently flooded
- semiperm'ly flooded
- seasonally flooded
- saturated

tidal - irregularly
tidal - regularly
- saltwater
- brackish
- freshwater

unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch T170 North			Date: 12 November 1998
(Site name:)		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Ray, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

VEGETATION / HABITAT

Observation Point 1 T170 N	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 40° on rivercut slope, 5% mag, level shelf to moderate slope	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%): 65 Acer negundo Acer platanoides	Tree layer: Total cover (%):	Tree layer: Total cover (%):
Sapling / tall shrub layer: Total cover (%) 35 Acer platanoides Vitis riparia	Sapling / tall shrub layer: Total cover (%)	Sapling / tall shrub layer: Total cover (%)
Shrub (1-2 m) layer: Total cover (%) 15 Euonymus alatus Rosa multiflora	Shrub (1-2 m) layer: Total cover (%)	Shrub (1-2 m) layer: Total cover (%)
Herb layer: Total cover (%) 40 Hesperis Matronalis Alliaria petiolata Agrostis stolonifera	Herb layer: Total cover (%)	Herb layer: Total cover (%)
Bryoid layer: Total cover (%) Essentially absent	Bryoid layer: Total cover (%)	Bryoid layer: Total cover (%)
Other diagnostic or notable species: Thuja occidentalis — likely an escape from planting as area is residential	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Trash and lawn/garden refuse heaps along river; exotic herbs, shrubs, and trees	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 X 29 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

→ complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt # T170 North
Community type: Floodplain / Early Successional forest		Adjacent communities:	
Quad: Pittsfield East	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
70 feet	① Acer negundo 21 inch dbh, 31 ybp	Small branches from canopy trees	
supercanopy trees? NO	③ Acer platanoides 8 inch dbh, 21 ybp		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
NO	NO	NO	NO	NO

comment: Some trash and lawn/garden refuse over bank.

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Salix alba
Lygustrum cf. amurense
Vinca minor
Thuja occidentalis
Solanum dulcamera

Species list sketchy or basically complete? Comment:

Relatively complete for a fall survey

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: T170N

Community type: Floodplain / Early Successional forest | (Regional alliance/community:)

LAYER	plot # T170N			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 X 29 Feet note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	Acer negundo 21" Acer platanoides 5", 8", 5" Standing Dead 8"			
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	Acer platanoides (37) Vitis riparia (9) Ulmus ame. (3)			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 2.8 m radius or 25 m²	Euonymus alatus (19) Rosa multiflora (3) Acer plat. (3)			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Chelidonium maj. (3) Hesperis matronalis (9) Phalaris aru. (3) Argeritina alt. (3) Alliaria pet. (3) Bromus latiglum. (3) Agrostis stolon. (9) Viola sororia (1) Solidago gigan. (1)	Syringa vulgaris (1)		
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.				
REMARKS (Downstream portion of plot shaded by 24" dbh Salix alba).				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: T170

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation:	Aspect:	Slope:	Microtopography:
294 meters	56° (magnetic) or true?	3° to 40° on slope (measured) or estimated?	relatively flat shelf that quickly drops into river channel

pH	Topographic position:			Habitat patchiness (describe zones or patches if present):
(note kit or meter type)	P low plain, level T toe of slope LS lower slope MS middle slope	TB hillside terrace/bench US upper slope E cliff/ledge	C crest M high plateau N narrow valley D drainage channel	Uniform along river

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth: _____ cm OR > 1 m _____

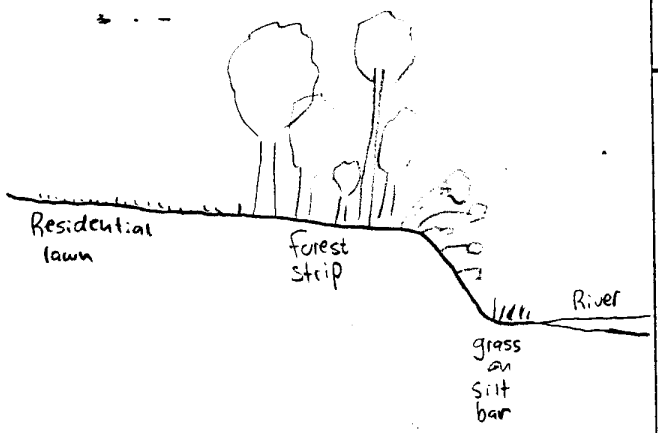
vonPost decomposition: _____

ALL SOILS:

DEPTH TO WATER TABLE: _____

DEPTH to OBSTRUCTION: _____

Soil temperature reading _____ F/C at _____ (depth)



Surficial deposit:
- bedrock
- talus slope
- glacial till
- moraine
- esker/outwash
- glacial delta
- lacustrine/fluvial
- marine
- aeolian
- other:

Surface:
- ____% Bedrock
- ____% Boulders (>50 cm)
- ____% Cobbles/Gravel
- 5 % Bare mineral soil
- 50 % Organic soil broadleaf
- ____% Litter (note type)
- ____% Water
- 45 % Total vegetation
- ____ Other:

Average Texture:
- gravel
- sand
- loamy sand / sandy loam
- loam
- silt loam
- clay loams
- sandy clay / clay
- peat
- muck

Bedrock type:
- Igneous
  - granite
  - dioritic
  - gabbroic
  - other igneous
  - _____
- Metamorphic
  - slate/phyllite
  - schist/gneiss
  - other metamorphic
  - _____
- Sedimentary
  - limestone
  - other sedimentary
  - _____

details?

Soil stoniness:
- v. little (< 1%)
- moderate (2-25%)
- very (25-100%)

Drainage & moisture regime (see MAPPSS key):
- very poorly drained
- poorly drained
- somewhat poorly drained
- moderately well drained
- well drained
- somewhat excessively drained
- excessively drained

Hydrologic regime:
- upland
- nontidal wetland:
  - permanently flooded
  - semiperm'ly flooded
  - seasonally flooded
  - saturated
- tidal - irregularly
- tidal - regularly
  - saltwater
  - brackish
  - freshwater
- unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE

Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch T180 North			Date: 12 November 1998
(Site name:)		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Ray, Vickie Schuman	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

VEGETATION / HABITAT

Observation Point 1 T180 N	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: level 0° to 45°; 90° Mag; terrace to slope	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%): 70 Acer saccharinum Acer negundo Acer platanoides	Tree layer: Total cover (%):	Tree layer: Total cover (%):
Sapling / tall shrub layer: Total cover (%) 20 Celastrus orbiculatus Vitis riparia	Sapling / tall shrub layer: Total cover (%)	Sapling / tall shrub layer: Total cover (%)
Shrub (1-2 m) layer: Total cover (%) 40 Lonicera japonica Lonicera morrowii	Shrub (1-2 m) layer: Total cover (%)	Shrub (1-2 m) layer: Total cover (%)
Herb layer: Total cover (%) 55 Onoclea sensibilis Matteuccia struthiopteris	Herb layer: Total cover (%)	Herb layer: Total cover (%)
Bryoid layer: Total cover (%) Absent	Bryoid layer: Total cover (%)	Bryoid layer: Total cover (%)
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Exotic plant species; community adjacent to lawn	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 X 32 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

-> complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # T180 North
Community type: Floodplain / Early Successional forest		Adjacent communities:	
Quad: Pittsfield East	(Lat.):	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	fern
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height:	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
57 feet	① Acer saccharinum 12 inch dbh, 29 ybp	Mostly small limbs from canopy trees, one log (11 inch dbh) in plot	
supercanopy trees? NO	③ Acer platanoides 8 inch dbh, 18 ybp		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
NO	NO	Community has been cleared at upland edge for lawn.	NO	NO

comment: Fence splits community

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Euonymus alatus — Vine
Euonymous europaea — Muhlenbergia mexicana
Fagus grandifolia — Argeratina altissima
Tussilago farfara — Solidago flexicaulis
Rubus idaeus
Dactylis glomerata

Species list sketchy or basically complete? Comment:
Moderate survey effort

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: T180 N

Community type: Floodplain / Early Successional forest | (Regional alliance/community:)

LAYER	plot # T180			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 X 32 feet note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	Acer negundo 5", 8", 5" Acer platanoides 6", 8" Acer saccharinum 12" 12", 11", 11", 13"			
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	Acer saccharinum (3) Celastrus orbiculatus (3) Vitis riparia (9) Acer negundo (3)			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 2.8 m radius or 25 m²	Fallopia japonic (19) Lonicera morrowii (3)			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Zizea aurea (37) Matteuccia struthiopteris (19) Poa nemeralis (3) Bromus latiglumis (3) Solidago canadensis (3)			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.				
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: T180N

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation:	Aspect:	Slope:	Microtopography:
294 meters	90° (magnetic) or true?	45° to river (measured) or estimated?	Upland terrace that slopes abruptly to river

pH	Topographic position:			Habitat patchiness (describe zones or patches if present):
(note kit or meter type)	P low plain, level T toe of slope LS lower slope MS middle slope	TB hillside terrace/bench US upper slope E cliff/ledge	C crest M high plateau N narrow valley D drainage channel	Uniform along river

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth: _____ cm OR > 1 m _____

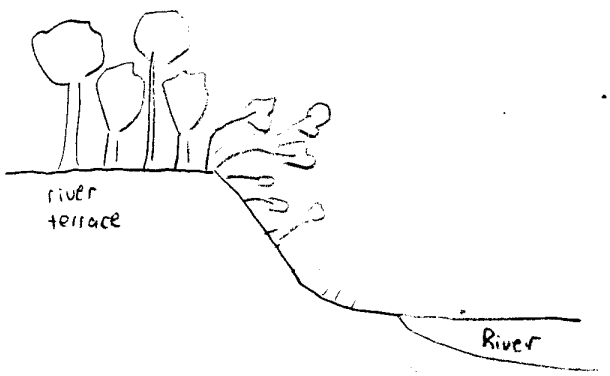
vonPost decomposition: _____

ALL SOILS:

DEPTH TO WATER TABLE: _____

DEPTH to OBSTRUCTION: _____

Soil temperature reading _____ F/C at _____ (depth)



X-section of community

Surficial deposit:
- bedrock
- talus slope
- glacial till
- moraine
- esker/outwash
- glacial delta
- lacustrine/fluvial
- marine
- aeolian
- other:

Surface:
- ____% Bedrock
- ____% Boulders (>50 cm)
- ____% Cobbles/Gravel
- 5 % Bare mineral soil
- ____% Organic soil
- 45 % Litter (note type) broadleaf
- ____% Water
- 50 % Total vegetation
- ____ Other:

Average Texture:
- gravel
- sand
- loamy sand / sandy loam
- loam
- silt loam
- clay loams
- sandy clay / clay
- peat
- muck

Bedrock type:
- Igneous
  - granite
  - dioritic
  - gabbroic
  - other igneous
  - _____
- Metamorphic
  - slate/phyllite
  - schist/gneiss
  - other metamorphic
  - _____
- Sedimentary
  - limestone
  - other sedimentary
  - _____

details?

Soil stoniness:
- v. little (< 1%)
- moderate (2-25%)
- very (25-100%)

Drainage & moisture regime (see MAPPSS key):
- very poorly drained
- poorly drained
- somewhat poorly drained
- moderately well drained
- well drained
- somewhat excessively drained
- excessively drained

Hydrologic regime:
- upland
- nontidal wetland:
  - permanently flooded
  - semiperm'ly flooded
  - seasonally flooded
  - saturated
- tidal - irregularly
- tidal - regularly
  - saltwater
  - brackish
  - freshwater
- unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch T190 N			Date: 12 November 1998
(Site name:)		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Roy, Vickie Schamaird	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

VEGETATION / HABITAT

Observation Point 1 T190N	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil: Alluvial	Soil:	Soil:
Slope, aspect, topography: 48° bank; 170°, terrace with steep bank	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%):_____ NA	Tree layer: Total cover (%):_____	Tree layer: Total cover (%):_____
Sapling / tall shrub layer: Total cover (%)_____ NA	Sapling / tall shrub layer: Total cover (%)_____	Sapling / tall shrub layer: Total cover (%)_____
Shrub (1-2 m) layer: Total cover (%) 10 Rubus idaeus Solidago altissima	Shrub (1-2 m) layer: Total cover (%)_____	Shrub (1-2 m) layer: Total cover (%)_____
Herb layer: Total cover (%) 80 Matteuccia struthiopteris Phalaris arundinacea Zizea aurea	Herb layer: Total cover (%)_____	Herb layer: Total cover (%)_____
Bryoid layer: Total cover (%) 5 Moss	Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: cleared area; exotic species	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 X 32 tree cores? no photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

→ complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # T190 North
Community type: Floodplain / Early Successional Forest			Adjacent communities:
Quad: Pittsfield East	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
forest	evergreen woody	broad-leaf woody
woodland	deciduous woody	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	(perennial)	forb
(herbaceous)	annual	(pteridophyte)
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height:	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
NA	① ———		
supercanopy trees? NA	② ———		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment
NC	No	One cut stump at rivers edge	No	No

comment: Area has been cleared of trees and now a field.

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Rudbeckia laciniata
Oenothera biennis
Rhus hirta
Alliaria petiolata
Elymus virginicus
Symphiotrichum lanceolatum
Agrostis stolonifera
Bromus latiglumis

Species list sketchy or basically complete? Comment:

Relatively complete

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: T190 N

Community type: Floodplain / Early Successional forest | (Regional alliance/community:)

LAYER	plot # T190 N				
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50x32 feet note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	No trees w/in plot				
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	NA				
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	Rubus idaeus (9) Asparagus officinalis (3) Solidago altissima (3)				
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Metteuccia struthiopteris (63) Phalaris arun. (9) Vitis riparia (3) Lythrum salicaria (1) Fragaria virginiana (1) Echinacystis lobata (3) Epilobium ciliatum ssp. glandulosum (3) Solanum dulcamara (3) Barbarea vulgaris (3)				
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): X "moss","liverwort","lichen" only; __identified to major group; __identified to genus; __identified to species.	Hesperis matronalis (1) Zizia aurea (1) } within herb layer Moss 3				
REMARKS					

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: T190N

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation: 294 meters

Aspect: 170° (magnetic or true?)

Slope: 48° to river (measured or estimated?)

Microtopography: relatively level terrain with a steep bank to the river

pH (note kit or meter type)

Topographic position:
P low plain, level
T toe of slope
LS lower slope
MS middle slope
TB hillside terrace/bench
US upper slope
E cliff/ledge
C crest
M high plateau
N narrow valley
D drainage channel

Habitat patchiness (describe zones or patches if present): uniform along river

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth:_____cm OR > 1 m_____

vonPost decomposition:_____

ALL SOILS:

DEPTH TO WATER TABLE:_____

DEPTH to OBSTRUCTION:_____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:
bedrock
talus slope
glacial till
moraine
esker/outwash
glacial delta
lacustrine/fluvial
marine
aeolian
other:

Surface:
_____% Bedrock
_____% Boulders (>50 cm)
_____% Cobbles/Gravel
5 % Bare mineral soil
_____% Organic soil
40 % Litter (note type) pteridophyte/herb
_____% Water
45 % Total vegetation
_____ Other:

Average Texture:
gravel
sand
loamy sand / sandy loam
loam
silt loam
clay loams
sandy clay / clay
peat
muck

Bedrock type:
Igneous
granite
dioritic
gabbroic
other igneous
_____
Metamorphic
slate/phyllite
schist/gneiss
other metamorphic
_____
Sedimentary
limestone
other sedimentary
_____
details?

Soil stoniness:
v. little (< 1%)
moderate (2-25%)
very (25-100%)

Drainage & moisture regime (see MAPPSS key):
very poorly drained
poorly drained
somewhat poorly drained
moderately well drained
well drained
somewhat excessively drained
excessively drained

Hydrologic regime:
upland
nontidal wetland:
permanently flooded
semiperm'ly flooded
seasonally flooded
saturated
tidal - irregularly
tidal - regularly
saltwater
brackish
freshwater
unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch T200 North			Date: 12 November 1998
(Site name:)		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Roy, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

VEGETATION / HABITAT

Observation Point 1 T200 N	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional FOREST	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%): 65 Fagus grandifolia	Tree layer: Total cover (%):	Tree layer: Total cover (%):
Sapling / tall shrub layer: Total cover (%) 30 Fagus grandifolia	Sapling / tall shrub layer: Total cover (%)	Sapling / tall shrub layer: Total cover (%)
Shrub (1-2 m) layer: Total cover (%) 20 Lonicera Morrowii Euonymus alatus Fagus grandifolia	Shrub (1-2 m) layer: Total cover (%)	Shrub (1-2 m) layer: Total cover (%)
Herb layer: Total cover (%) 50 Equisetum hyemale Poa nemoralis Symphyotrichum cordifolium	Herb layer: Total cover (%)	Herb layer: Total cover (%)
Bryoid layer: Total cover (%) 2	Bryoid layer: Total cover (%)	Bryoid layer: Total cover (%)
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: One stump cutting; earth moved to create step bank at upper edge.	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 X 29 tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

→ complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # T200 North
Community type: Floodplain / Early Successional forest		Adjacent communities:	
Quad: Pittsfield East	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height:	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
50 feet	① Acer saccharum 12 inch dbh, 57 ybp.	very little deadwood	
subcanopy trees? NO	② Fagus grandifolia 9 inch dbh, 103 ybp		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
NO	NO	23" Fagus gran. stump	NO	NO

comment: Earth has been moved at upland edge of community (field edge) to create an initial steep bank.

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Solidago flexicaulis
Ligustrum cf. amorense
Tsuga canadensis
Picea glauca
Celastrus orbiculatus
Symphio. cordifolium
Polystichum achrosticoides
Achillea millifolium
Rubus allagheniensis
Tilia americana

Species list sketchy or basically complete? Comment:

relatively complete

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: T200 N

Community type: Floodplain / Early Successional Forest | (Regional alliance/community:)

LAYER	plot # T200 N			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 X 29 feet note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	Acer saccharum 8", 12" Fagus grandifolia 8", 10", 6", 9", 11" Standing dead 18"			
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	Fagus grandifolia (37)			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 2.8 m radius or 25 m²	Cornus amomum (3) Fagus gran. (3) Lonicera mor. (3) Euonymus alatus (3) Betula allaghaniensis (1)			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Equisetum hyemale (37) Poa nemoralis (9) Symphiotrichum lat. (3)			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): X "moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.	moss (Polytrichum) 1			
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: T200 North

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation:	Aspect:	Slope:	Microtopography:
294 meters	138° (magnetic) or true?	$\bar{X}$ = 50° (measured) or estimated?	uneven slope (slope, ditch, bench, slope to river)

pH	Topographic position:			Habitat patchiness (describe zones or patches if present):
(note kit or meter type)	P low plain, level T toe of slope (LS lower slope) MS middle slope	TB hillside terrace/bench US upper slope E cliff/ledge	C crest M high plateau N narrow valley D drainage channel	Uniform along river in plot

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth:_____cm OR > 1 m_____

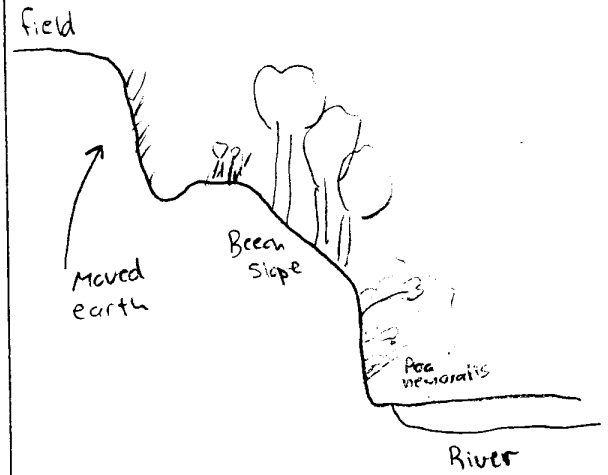
vonPost decomposition:_____

ALL SOILS:

DEPTH TO WATER TABLE:_____

DEPTH to OBSTRUCTION:_____

Soil temperature reading _____ F/C at _____ (depth)



Surficial deposit:
- bedrock
- talus slope
- glacial till
- moraine
- esker/outwash
- glacial delta
- lacustrine/fluvial
- marine
- aeolian
- other:

Surface:
- ____% Bedrock
- ____% Boulders (>50 cm)
- ____% Cobbles/Gravel
- 5 % Bare mineral soil
- ____% Organic soil
- 50 % Litter (note type) broadleaf
- ____% Water
- 45 % Total vegetation
- ____ Other:

Average Texture:
- gravel
- sand
- loamy sand / sandy loam
- loam
- silt loam
- clay loams
- sandy clay / clay
- peat
- muck

Bedrock type:
- Igneous
  - granite
  - dioritic
  - gabbroic
  - other igneous
  - _____
- Metamorphic
  - slate/phyllite
  - schist/gneiss
  - other metamorphic
  - _____
- Sedimentary
  - limestone
  - other sedimentary
  - _____
- details?

Soil stoniness:
- v. little (< 1%)
- moderate (2-25%)
- very (25-100%)

Drainage & moisture regime (see MAPPSS key):
- very poorly drained
- poorly drained
- somewhat poorly drained
- moderately well drained
- well drained
- somewhat excessively drained
- excessively drained

Hydrologic regime:
- (upland)
- nontidal wetland:
  - permanently flooded
  - semiperm'ly flooded
  - seasonally flooded
  - saturated
- tidal - irregularly
- tidal - regularly
  - saltwater
  - brackish
  - freshwater
- unknown

NATURAL COMMUNITY SURVEY — PART I: RECONNAISSANCE

Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch T21 North			Date: 12 November 1998
(Site name:)		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Ray, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

VEGETATION / HABITAT

Observation Point 1 T21	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil: Alluvial silt	Soil:	Soil:
Slope, aspect, topography: flat to 42°, 120° mag., flat plain with steep bank into river	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%): 70 Acer negundo	Tree layer: Total cover (%):	Tree layer: Total cover (%):
Sapling / tall shrub layer: Total cover (%) 10 Solanum dulcamera Ulmus americana	Sapling / tall shrub layer: Total cover (%)	Sapling / tall shrub layer: Total cover (%)
Shrub (1-2 m) layer: Total cover (%) 10 Lonicera Morrowii Solanum dulcamera Sambucus canadensis	Shrub (1-2 m) layer: Total cover (%)	Shrub (1-2 m) layer: Total cover (%)
Herb layer: Total cover (%) 60 Poa Nemoralis Matteuccia Struthiopteris Agrostis Stolonifera Zizea aurea	Herb layer: Total cover (%)	Herb layer: Total cover (%)
Bryoid layer: Total cover (%) Essentially absent	Bryoid layer: Total cover (%)	Bryoid layer: Total cover (%)
Other diagnostic or notable species: Phalaris arundinacea	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: worn path through community	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? yes, 50 X 40' tree cores? yes photos? yes COMMENTS: T210, the desired point is at the confluence and therefore, survey Point moved upstream 50 feet.	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

date: 11/12 initials: AH p. 1 of 4

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

-> complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch T211 North			Obs. Pt. # T211 N
Community type: Floodplain / Early Successional forest			Adjacent communities:
Quad: Pittsfield East	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	ptendophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
50 feet	① Acer negundo 14 inch dbh, 37 ybp	Some deadwood, largely absent.	
supercanopy trees? NO	② Acer platanoides 7 inch dbh, 21 ybp		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
NC	NO	NO	NO	NO

comment: well worn path through community.

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Sambucus canadensis
Geum canadense
Celastrus orbiculatus
Clematis occidentalis
Acer rubrum
Peatharum sedoides
Symphiotrichum lateriflorum
Rudbeckia lacineata
Solidago rugosa
Carex (vegetative)
Myosotic scorpioides
Bromus latiglumus
Rumex crispus
Poa nemoralis
Plantago rugelii
Bidens cf. frondosa
Epilobium ciliatum (subsp. glandulosum)
Callictriche cf. palustris
Eupatorium maculatum

Species list sketchy or basically complete?
Comment: Relative complete
Echinocystis lobata
Barbarea vulgaris

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: T211 N

Community type: Floodplain / Early Successional Forest | (Regional alliance/community:)

LAYER	plot # T209			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 x 40 feet note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	Acer negundo 12", 14", 11", 12" Ulmus americana 6"			
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	Solanum dulcamera (9)			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 2.8 m radius or 25 m²	Lonicera morrowii (3)			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Hesperis matronalis (3) Alliaria petiolata (9) Chelidonium majus (1) Rubus idaeus (3) Argeratina altissima (3) Solidago gigantea (3) Agrostis stolon. (19) Phalaris arun. (9) Matteuccia stru. (3)	Urtica dioica (1) Lythrum sal. (1) Solanum dul. (1) Elymus riparius (1) Lysimachia nummularia Zizia aurea (9)		
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.	Essentially absent			
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: T21 North

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation:	Aspect:	Slope:	Microtopography:
294 meters	120° (magnetic) or true?	Flat with a 42°, short bank to river (measured) or estimated?	flat shelf with a moderately sloped banks.

pH	Topographic position:			Habitat patchiness (describe zones or patches if present):
(note kit or meter type)	P low plain, level T toe of slope LS lower slope MS middle slope	TB hillside terrace/bench US upper slope E cliff/ledge	C crest M high plateau N narrow valley D drainage channel	uniform along river.

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth: _____ cm OR > 1 m _____

vonPost decomposition: _____

ALL SOILS:

DEPTH TO WATER TABLE: _____

DEPTH to OBSTRUCTION: _____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:
- bedrock
- talus slope
- glacial till
- moraine
- esker/outwash
- glacial delta
- lacustrine/fluvial
- marine
- aeolian
- other:

Surface:
- _____% Bedrock
- _____% Boulders (>50 cm)
- _____% Cobbles/Gravel
- 10 % Bare mineral soil
- _____% Organic soil
- 40 % Litter (note type) broadleaf/Pteridophyte
- _____% Water
- 50 % Total vegetation
- _____ Other:

Average Texture:
- gravel
- sand
- loamy sand / sandy loam
- loam
- silt loam
- clay loams
- sandy clay / clay
- peat
- muck

Bedrock type:

Igneous
- granite
- dioritic
- gabbroic
- other igneous

_____

Metamorphic
- slate/phyllite
- schist/gneiss
- other metamorphic

_____

Sedimentary
- limestone
- other sedimentary

_____

details?

Soil stoniness:
- v. little (< 1%)
- moderate (2-25%)
- very (25-100%)

Drainage & moisture regime (see MAPPSS key):
- very poorly drained
- poorly drained
- somewhat poorly drained
- moderately well drained
- well drained
- somewhat excessively drained
- excessively drained

Hydrologic regime:
- upland
- nontidal wetland:
  - permanently flooded
  - semiperm'ly flooded
  - seasonally flooded
  - saturated
- tidal - irregularly
- tidal - regularly
  - saltwater
  - brackish
  - freshwater
- unknown

NATURAL COMMUNITY SURVEY — PART I: RECONNAISSANCE

Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch			Date: 12 November 1998
(Site name:) TOTOS		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Roy, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5 Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.	Directions (if not obvious from topo or Maine Atlas):
	See map

VEGETATION / HABITAT

Observation Point 1	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography 9° Mag., Flat terrace above river	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%):_____ Acer negundo Ulmus americana	Tree layer: Total cover (%):_____	Tree layer: Total cover (%):_____
Sapling / tall shrub layer: Total cover (%)_____ Ulmus americana	Sapling / tall shrub layer: Total cover (%)_____	Sapling / tall shrub layer: Total cover (%)_____
Shrub (1-2 m) layer: Total cover (%)_____ Lonicera morrowii Euonymus europaea	Shrub (1-2 m) layer: Total cover (%)_____	Shrub (1-2 m) layer: Total cover (%)_____
Herb layer: Total cover (%)_____ Fragaria virginiana Poa nemoralis Ageratina altissima	Herb layer: Total cover (%)_____	Herb layer: Total cover (%)_____
Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Agriculture south of pbt	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 X 40 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

→ complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # 70-5
Community type: Floodplain / Early successional forest		Adjacent communities: River and early succ. first	
Quad:	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):
47'	Acer negundo	few branches on ground, several large branches (20' long 6" dia) still hung up in canopy
supercanopy trees?	①16 in dbh, 45 feet tall, 44 ybp	
Ø	②17 in dbh, 45 feet, Ulmus americana	
	7 in dbh, 40 feet, 21 ybp	

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
Ø	Ø		just S of plot is an agric. field	Ø

comment:

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Equis. repens Dane. canity Agrostis sp?
Trif. repens ? Odenothy biennis
Euth. graminifolia Poa pratensis
Mat. stuthio. Mentha arvensis, Rubus idaeus
Syss. tenuif.

Species list sketchy or basically complete?
Comment:

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: 70-S

Community type: Floodplain / Early Successional Forest | (Regional alliance/community:)

LAYER	plot #									
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 x 40 note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	A. negundo 11, 14, 17, 1 U. amer. 4", 7", 4" S. nigra 10" P. deltoids 8",		16, 18, 18							
SAPLING / TALL SHRUB cover class by species of trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 20 x 20 2.8 m radius or 25 m²	Ulm. amer. 3									
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 2.8 m radius or 25 m²	Lon. mor.	9								
	Eun. europ	3								
	Rosa. multi.	1								
	Rham. cat	3								
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Arguritina altissima	19	Rham. cat.							
	Frag. vir.	37								
	Geum lacin.	9								
	Allar. officin.	9								
	Lon. mor.	19								
	Solid. gigan.	9								
	Rubus occid.	3								
	Poa nemoralis	19								
	Azalea sp.	3								
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.										
REMARKS										

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

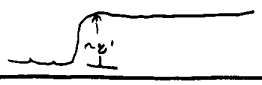
* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

date: [redacted] initials: p. ____ of ____

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: 70-5

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation:	Aspect: 90°E (magnetic or true?)	Slope: measured or estimated?	Microtopography: flat terrace 

pH: 6 (note kit or meter type)

Topographic position:

(P) low plain, level; T toe of slope; LS lower slope; MS middle slope; TB hillside terrace/bench; US upper slope; E cliff/ledge; C crest; M high plateau; N narrow valley; D drainage channel

Habitat patchiness (describe zones or patches if present): thin zone of trees next to cleared, grassy lane

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth:_____cm OR > 1 m_____

vonPost decomposition:_____

ALL SOILS:

DEPTH TO WATER TABLE:_____

DEPTH to OBSTRUCTION:_____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:

bedrock
talus slope
glacial till
moraine
esker/outwash
glacial delta
lacustrine/fluvial
marine
aeolian
other:

Surface:

_____% Bedrock
_____% Boulders (>50 cm)
_____% Cobbles/Gravel
_____% Bare mineral soil
_____% Organic soil
_____% Litter (note type)
_____% Water
_____% Total vegetation
_____ Other:

Average Texture:

gravel
sand
loamy sand / sandy loam
loam
silt loam
clay loams
sandy clay / clay
peat
muck

Bedrock type:

Igneous
granite
dioritic
gabbroic
other igneous
_____
Metamorphic
slate/phyllite
schist/gneiss
other metamorphic
_____

Sedimentary
limestone
other sedimentary
_____
details?

Soil stoniness:

v. little (< 1%)
moderate (2-25%)
very (25-100%)

Drainage & moisture regime (see MAPPSS key):

very poorly drained
poorly drained
somewhat poorly drained
moderately well drained
well drained
somewhat excessively drained
excessively drained

Hydrologic regime:

upland
nontidal wetland:
permanently flooded
semiperm'ly flooded
seasonally flooded
saturated
tidal - irregularly
tidal - regularly
saltwater
brackish
freshwater
unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE

Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch			Date: 12 November 1998
(Site name:) TOSOS		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Roy, Vickie Schoonard	Town: Pitts field County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pitts field East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

see Map.

VEGETATION / HABITAT

Observation Point 1	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 344°M	Slope, aspect, topography:	Slope, aspect, topography:
STRATA*: cover & 1-2 dominant spp. for each	STRATA*: cover & 1-2 dominant spp. for each	STRATA*: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%):_____ Acer negundo Populus deltoides	Tree layer: Total cover (%):_____	Tree layer: Total cover (%):_____
Sapling / tall shrub layer: Total cover (%)_____ Cornus amomum Euonymus europaea	Sapling / tall shrub layer: Total cover (%)_____	Sapling / tall shrub layer: Total cover (%)_____
Shrub (1-2 m) layer: Total cover (%)_____ Euonymus europaea Rhamnus cathartica	Shrub (1-2 m) layer: Total cover (%)_____	Shrub (1-2 m) layer: Total cover (%)_____
Herb layer: Total cover (%)_____ Ageratina altissima Solidago flexicaulis Equisetum arvense	Herb layer: Total cover (%)_____	Herb layer: Total cover (%)_____
Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Agriculture in adjacent areas	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50x40 feet tree cores? no photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

TURAL COMMUNITY SURVEY PART II: DESCRIPTION

complete separate description forms for each notable natural community on reconnaissance page.

NTIFIERS / LOCATION

rea (specific/general):			Obs. Pt. # 80-5
ommunity type:			Adjacent communities: Riverine/old Field
Quad:	(Lat.:)	Size (acres) of community 50 (not size):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
Quadrose:)	(Long:)		

LASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
forest	evergreen woody	broad-leaf woody
woodland	deciduous woody	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

DDITIONAL DATA FOR FORESTS

Tree canopy height	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
75'		3 tree limbs 10+2" dia, 20' long lying on ground in plot - still ~ bark on - ~10 smaller 2-3" dia limbs 5-10' long on ground w/ out bark.	
supercanopy trees? Ø			

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
Ø	Ø	Ø	Yes in adj areas	Ø

comment:

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Epip. hell.b. Acer platan. Corn. sanicq
Acer saccharum. Solid. gigan.
Pan paust. Vib. dentatum
Berb. thunb. Vitis sp.
Allaria offic.

Species list sketchy or basically complete?
Comment:

date: initials: p. ____ of ____

VEGETATION SURVEY

Area: | Obs. pt. #: 80 E

Community type: | (Regional alliance/community:)

LAYER	plot #				
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 x 40 note which size used 5.54 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout	P. deltoides 30, 31, 36, 26, 34, A. negundo 6, 4, 4, 8, 8, 12, 8, 11, 4, 12, 6, U. amer. 5				
SAPLING / TALL SHRUB cover class by species of trees > 2 m tall but < 5 cm dbh and shrubs > 2 m tall QUAD SIZE: 20 x 20 2.8 m radius or 25 m²	Eun. europ. 9 Cornus amomum 9 Acer negundo 3 Celastrus orbiculata 3 Rham. carth. 3				
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 20 x 20 2.8 m radius or 25 m²	Eun. europ 9 Rham. carth. 9 Corn. amom. 3 Acer negund 3				
HERB 20 x 20 cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Solidago flexic. 9 Ag. altissm. 19 Poa nemor. 3 Equis arvense 9 Eun. europ 3 Elym. ripar. 3 Gal. mollug 3 Allar. officin. 3 Geum lacin. 3	Sp.			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss","liverwort","lichen" only; __identified to major group; __identified to genus; __identified to species.	Geum allep 1				
REMARKS					

n box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species lis

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

date: initials: p. ____ of ____

TOPOGRAPHY / SOILS

Area:

Obs. pt. #: 5 - 5

Community type:

(Regional alliance/community:)

Elevation: /

Aspect: 344° A (magnetic or true?)

Slope: measured or estimated?

Microtopography:

cm

(note kit or meter type)

Topographic position:

P low plain, level
T toe of slope
LS lower slope
MS middle slope
TB hillside terrace/bench
US upper slope
E cliff/ledge
C crest
M high plateau
N narrow valley
D drainage channel

Habitat patchiness (describe zones or patches if present): uniform

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth:_____cm CR > 1 m_____

vonPost decomposition:_____

ALL SOILS:

DEPTH TO WATER TABLE:_____

DEPTH to OBSTRUCTION:_____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:

bedrock
talus slope
glacial till
moraine
esker/outwash
glacial delta
lacustrine/fluvial
marine
aeolian
other:

Surface:

_____% Bedrock
_____% Boulders (>60 cm)
_____% Cobbles/Gravel
_____% Bare mineral soil
_____% Organic soil
_____% Litter (note type)
_____% Water
_____% Total vegetation
_____ Other:

Average Texture:

gravel
sand
loamy sand / sandy loam
loam
silt loam
clay loams
sandy clay / clay
peat
muck

Bedrock type:

Igneous
granite
dioritic
gabbroic
other igneous
_____

Metamorphic
slate/phyllite
schist/gneiss
other metamorphic
_____

Sedimentary
limestone
other sedimentary
_____

details? alluvial

Soil stoniness:

v. little (< 1%)
moderate (2-25%)
very (25-100%)

Drainage & moisture regime (see MAPPSS key):

very poorly drained
poorly drained
somewhat poorly drained
moderately well drained
well drained
somewhat excessively drained
excessively drained

Hydrologic regime:

upland

nontidal wetland:
permanently flooded
semipermanently flooded
seasonally flooded
saturated

tidal - irregularly
tidal - regularly
saltwater
brackish
freshwater

unknown

date: initials: p. ____ of

RAL COMMUNITY SURVEY PART I: RECONNAISSANCE Maine Natural Areas Program

NTIFIERS / LOCATION

Survey area: Housatonic River, East Branch			Date: 12 November 1998
(Site name:) T088-S		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Roy, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.	Directions (if not obvious from topo or Maine Atlas):
	see Map

VEGETATION / HABITAT

Observation Point 1	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography flat 312°M	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%):_____ Acer negundo Ulmus americana	Tree layer: Total cover (%):_____	Tree layer: Total cover (%):_____
Sapling / tall shrub layer: Total cover (%)_____ Lonicera Morrowii Rosa multiflora	Sapling / tall shrub layer: Total cover (%)_____	Sapling / tall shrub layer: Total cover (%)_____
Shrub (1-2 m) layer: Total cover (%)_____ Lonicera Morrowii Rosa multiflora	Shrub (1-2 m) layer: Total cover (%)_____	Shrub (1-2 m) layer: Total cover (%)_____
Herb layer: Total cover (%)_____ Fallopia japonica Solidago gigantea Poa nemoralis	Herb layer: Total cover (%)_____	Herb layer: Total cover (%)_____
Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Clearing for Agriculture and residence in adjacent areas	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 x 40 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

→ complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch | Obs. Pt. # 88-5

Community type: Floodplain / Early Successional forest | Adjacent communities: old field; river

Quad: | (Lat.:) | Size (acres) of community EO (not site): | BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.

(Quadcode:) | (Long:)

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
(shrubland)	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	ptendophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height: 40'

supercanopy trees? Ø

Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)
Ulmus americana
5 inch dbh, 30 feet tall, 19 ybp
Juglans cinerea
4 inch, 30 feet,
Acer negundo
22 inch dbh, 50 feet, >31 ybp

Deadwood (describe distribution, abundance, degree of decay): 3 standing/leaning over limbs 6-9" diam 10-20' long in plot (dead A. negundo); few scattered limbs on ground w/ out bark

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
Ø	Ø	cleared for agric. & resid/comm. use	adj. areas appear to be old field	Ø

comment:

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Euonym. fortuni
Hesperis matronalis

Species list sketchy or basically complete?
Comment:

VEGETATION PLOT DATA

Area: Housatonic River, East Branch	Obs. pt. #: 88-5
Community type: Floodplain / Early Successional forest	(Regional alliance/community:)

LAYER	plot #			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50' x 40' note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	A. negundo 12, 10 J. cinerea 4 Ulm. amer. 5			
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 20 x 20 2.8 m radius or 25 m²	Rham. cathartica 9 Rosa multiflora 19 Lonicera morrowii 37 Vitis riparia 9 Malus sp.* 1 Cornus amomum 1			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 20 x 20 2.8 m radius or 25 m²	Berberis thunbergii 3 Lonicera morrowii 19 Rubus occidentalis 1 Rosa multiflora 19 Salix bebb.* 1			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 20 x 20 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Solid. gigantea 3 Fallugia japonica 9 Alliaria officin. 3 Phalaris arund. 1 Galium aliph. 3 Fragaria virg. 1 Poa nemoralis 3 Ribes cynosbati 1 Aster sp 1			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.	Ø			
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

GRAPHY / SOILS

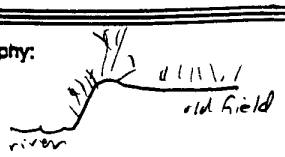
Area: Housatonic River, East Branch | Obs. pt. #: 88-5

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation:

Aspect: 312°A & flat (magnetic) or true?

Slope: measured or estimated?

Microtopography: 

pH: 6 (note kit or meter type)

Topographic position:

P low plain, level
T toe of slope
LS lower slope
MS middle slope
TB hillside terrace/bench
US upper slope
E cliff/ledge
C crest
M high plateau
N narrow valley
D drainage channel

Habitat patchiness (describe zones or patches if present): river bank w shrubs/trees, away from bank it becomes domin by herbs/shrubs

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth:_____cm OR > 1 m_____

vonPost decomposition:_____

ALL SOILS:

DEPTH TO WATER TABLE:_____

DEPTH to OBSTRUCTION:_____

Soil temperature reading _____ F/C at _____ (depth)

B. Ray took photos.

Surficial deposit:

bedrock
talus slope
glacial till
moraine
esker/outwash
glacial delta
lacustrine/fluvial
marine
aeolian
other: alluvial

Surface:

_____% Bedrock
_____% Boulders (>50 cm)
_____% Cobbles/Gravel
_____% Bare mineral soil
_____% Organic soil
90 % Litter (note type: leaf)
_____% Water
_____% Total vegetation
_____ Other:

Average Texture:

gravel
(sand)
loamy sand / sandy loam
loam
silt loam
clay loams
sandy clay / clay
peat
muck

Bedrock type:

Igneous
granite
dioritic
gabbroic
other igneous
_____
Metamorphic
slate/phyllite
schist/gneiss
other metamorphic
_____

Sedimentary
(limestone)
other sedimentary
_____
details?

Soil stoniness:

(v. little (< 1%))
moderate (2-25%)
very (25-100%)

Drainage & moisture regime (see MAPPSS key):

very poorly drained
poorly drained
somewhat poorly drained
moderately well drained
(well drained)
somewhat excessively drained
excessively drained

Hydrologic regime:

(upland)

nontidal wetland:
permanently flooded
semiperm'ly flooded
seasonally flooded
saturated

tidal - irregularly
tidal - regularly
saltwater
brackish
freshwater

unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE

Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch			Date: 12 November 1998
(Site name:) TIOOS		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Ray, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

see map

VEGETATION / HABITAT

Observation Point 1	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 23°M low slope	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%):_____ Acer platanoides Acer negundo	Tree layer: Total cover (%):_____	Tree layer: Total cover (%):_____
Sapling / tall shrub layer: Total cover (%)_____ Acer negundo Acer platanoides	Sapling / tall shrub layer: Total cover (%)_____	Sapling / tall shrub layer: Total cover (%)_____
Shrub (1-2 m) layer: Total cover (%)_____ Berberis thunbergii Rosa multiflora	Shrub (1-2 m) layer: Total cover (%)_____	Shrub (1-2 m) layer: Total cover (%)_____
Herb layer: Total cover (%)_____ Alliaria officinalis Ageratina altissima Chelidonium majus	Herb layer: Total cover (%)_____	Herb layer: Total cover (%)_____
Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Residences adjacent to community	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 x 35 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

→ complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch - 50' x 35'			Obs. Pt. # 100-S
Community type: Floodplain / Early Successional forest		Adjacent communities: river; residential/commercial	
Quad:	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height:	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
55'	Acer platanoides	5 - dead trees ~12-14" diam. on ground w/ int bark & partially decomp. wood is easily penetrated w/ stick; also a few scattered limbs on ground w/ & w/o bark	
supercanopy trees?	16 inch dbh, 60 ft. tall, 29 ybp		
Ø	11 inch dbh, 50 ft tall, 26 ybp		
	Acer negundo		
	11 inch, 40 feet, 24 ybp		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
Ø	Ø	Ø	Ø	Ø

comment: Adj. areas have resid./comm. development; soils on bank are man-made

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Euonymus fortuni — Vitis riparia
Euonym. europ. — Circae lutetiana ssp. canadensis
Matt. struthiop — Rubus occidentalis
Celastrus orbiculatus
Hesp. majus

Species list sketchy or basically complete?
Comment

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: 100.5

Community type: Floodplain / Early Successional forest | (Regional alliance/community:)

LAYER	plot #			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 x 35' note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	Acer platan. 4, 3, 11, A. negundo 5, 5, 6,	16, 5, 3, 3 9, 10, 11		
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 20 x 20 2.8 m radius or 25 m²	Acer negundo 9 A. platan. 9			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 20 x 20 2.8 m radius or 25 m²	Berberis thunbergii 9 A. negundo 9 Rosa multiflora 9			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 20 x 20 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Poa nemoralis 3 Alliaria officin. 9 Symphiot. sp. 1 Agaratina 9 Chelid. majus 9 Geum canadense 3 Symph. laterifl. 3			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.				
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

GRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: 100-5

Community type: Floodplain / Early successional forest | (Regional alliance/community:)

Elevation: | Aspect: 23° A (magnetic) or true? | Slope: measured or estimated? | Microtopography: rill erosion on slope + woodchuck burrows created pit & mound

pH: 6 (note kit or meter type)

Topographic position: (P) low plain, level; (T) toe of slope; LS lower slope; MS middle slope; TB hillside terrace/bench; US upper slope; E cliff/ledge; C crest; M high plateau; N narrow valley; D drainage channel

Habitat patchiness (describe zones or patches if present): few piles of branch; open, exposed soil from erosion; leaf litter dense in spots

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth:_____cm OR > 1 m_____

vonPost decomposition:_____

ALL SOILS:

DEPTH TO WATER TABLE:_____

DEPTH to OBSTRUCTION:_____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:
- bedrock
- talus slope
- glacial till
- moraine
- esker/outwash
- glacial delta
- lacustrine/fluvial
- marine
- aeolian manmade
- other: alluvial

Surface:
- ____% Bedrock
- ____% Boulders (>50 cm)
- ____% Cobbles/Gravel
- 10 % Bare mineral soil (non-made)
- ____% Organic soil
- 60 % Litter (note type) leaf
- ____% Water
- 30 % Total vegetation
- ____ Other:

Average Texture:
- gravel
- sand
- loamy sand / sandy loam
- loam
- silt loam
- clay loams
- sandy clay / clay
- peat
- muck

Bedrock type:
- Igneous: granite; dioritic; gabbroic; other igneous _____
- Sedimentary: limestone; other sedimentary ~~_____~~
- Metamorphic: slate/phyllite; schist/gneiss; other metamorphic _____
- details?

Soil stoniness:
- v. little (< 1%)
- moderate (2-25%)
- very (25-100%)

Drainage & moisture regime (see MAPPSS key):
- very poorly drained
- poorly drained
- somewhat poorly drained
- moderately well drained
- well drained
- somewhat excessively drained
- excessively drained

Hydrologic regime:
- upland
- nontidal wetland: permanently flooded; semiperm'ly flooded; seasonally flooded; saturated
- tidal - irregularly
- tidal - regularly
- saltwater
- brackish
- freshwater
- unknown

RAL COMMUNITY SURVEY PART I: RECONNAISSANCE

Maine Natural Areas Program

IFIERS / LOCATION

Survey area: Housatonic River, East Branch			Date: 12 November 1998
(Site name:) T110S		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Ray, Vickie Schuman	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

See Map

VEGETATION / HABITAT

Observation Point 1	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional FOREST	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography 328°M, Steep Slope	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%):_____ Acer negundo Ulmus americana	Tree layer: Total cover (%):_____	Tree layer: Total cover (%):_____
Sapling / tall shrub layer: Total cover (%)_____ Acer negundo Acer platanoides	Sapling / tall shrub layer: Total cover (%)_____	Sapling / tall shrub layer: Total cover (%)_____
Shrub (1-2 m) layer: Total cover (%)_____ Rosa multiflora Celastrus orbiculatus	Shrub (1-2 m) layer: Total cover (%)_____	Shrub (1-2 m) layer: Total cover (%)_____
Herb layer: Total cover (%)_____ Rosa multiflora Solanum dulcamara Alliaria petiolata	Herb layer: Total cover (%)_____	Herb layer: Total cover (%)_____
Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Refuse heaps thrown over bank; concrete and asphalt	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 x 30 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

→ complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch 50 x 30			Obs. Pt. # 110 S
Community type: Floodplain / Early Successional forest		Adjacent communities: Parking Lot; River	
Quad:	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
(shrubland)	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	ptendophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
40'	Ulmus americana	Piles of brush in plot, appear to have been thrown over bank	
supercanopy trees?	9 inch dbh, 40 ft. tall, 32 ybp		
Ø	Acer negundo		
	13 inch dbh, 50 ft. tall, 38 ybp		
	Aesculus hippocastanum		
	8 inch dbh, 35 ft tall, 30 ybp		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment
Ø	Ø	Ø	Ø	Ø

comment: Soils appear man-made - lots of asphalt, concrete, inert fill

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Aesculus hippocastanum
Vitis riparia
Cornus amomum
Cornus sericea
Oxalis cf. Stricta
Eupatorium maculatum

Species list sketchy or basically complete?
Comment:

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: 110-S

Community type: Floodplain / Early Successional forest | (Regional alliance/community:)

LAYER	plot #			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50' x 30' note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	U. americana 9, 9, A. negundo 6, 5, 6, 7, 13, A. platan. 5, 4, 4 Aesculus hippocastanum, 9, 5,			
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 20' x 20' 2.8 m radius or 25 m²	Acer negundo 9 A. platan. 9 Rosa multiflora 9			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 20' x 20' 2.8 m radius or 25 m²	Rosa multiflora 63 Celastrus orbiculatus 9 A. platanoides 3			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 20' x 20' 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Alliaria officin. 3 Poa palustris 1 Solanum dulcamara 3 Rosa multiflora 9 Ludwigia palustris 1 Plantago major 1 Taraxacum officin. 1 Oenothera biennis 1 Phalaris arundin. 1			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.	Ø			
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

OGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: 110-5

Community type: Floodplain / Early successional forest | (Regional alliance/community:)

Elevation:

Aspect: 328° A (magnetic or true?)

Slope: measured or estimated?

Microtopography: Pit & mound from concrete & asphalt slabs; parking lot; steep slope; river

pH: Ø (note kit or meter type)

Topographic position:
P low plain, level
T toe of slope
LS lower slope
MS middle slope
TB hillside terrace/bench
US upper slope
E cliff/ledge
C crest
M high plateau
N narrow valley
D drainage channel

Habitat patchiness (describe zones or patches if present): bare patches of concrete, asphalt & eroding soil between patches of shrubs/trees - overall between lots there is variability b/w degree/amt of disturbance

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth: _____ cm OR > 1 m _____

vonPost decomposition: _____

ALL SOILS:

DEPTH TO WATER TABLE: _____

DEPTH to OBSTRUCTION: _____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:
bedrock
talus slope
glacial till
moraine
esker/outwash
glacial delta
lacustrine/fluvial
marine
aeolian
peat
muck
other: man-made soil

Surface:
_____% Bedrock
_____% Boulders (>50 cm)
_____% Cobbles/Gravel
_____% Bare mineral soil
_____% Organic soil
_____% Litter (note type)
_____% Water
_____% Total vegetation
_____ Other: man-made

Average Texture:
gravel
sand
loamy sand / sandy loam
loam
silt loam
clay loams
sandy clay / clay
concrete gravel asphalt

Bedrock type:
Igneous
granite
dioritic
gabbroic
other igneous
_____
Metamorphic
slate/phyllite
schist/gneiss
other metamorphic
_____
Sedimentary
limestone
other sedimentary
_____
details? man-made

Soil stoniness:
v. little (< 1%)
moderate (2-25%)
very (25-100%)

Drainage & moisture regime (see MAPPSS key):
very poorly drained
poorly drained
somewhat poorly drained
moderately well drained
well drained
somewhat excessively drained
excessively drained

Hydrologic regime:
upland
nontidal wetland:
permanently flooded
semiperm'ly flooded
seasonally flooded
saturated
tidal - irregularly
tidal - regularly
saltwater
brackish
freshwater
unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE

Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch			Date: 12 November 1998
(Site name:) 120-S		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Roy, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

See Map

VEGETATION / HABITAT

Observation Point 1	Observation Point 2	Observation Point 3
Community type: Floodplain/Early Successional Forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 329m, steep slope	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%):_____ Acer negundo Ulmus americana	Tree layer: Total cover (%):_____	Tree layer: Total cover (%):_____
Sapling / tall shrub layer: Total cover (%)_____ Cornus alternifolia Fraxinus americana	Sapling / tall shrub layer: Total cover (%)_____	Sapling / tall shrub layer: Total cover (%)_____
Shrub (1-2 m) layer: Total cover (%)_____ Rosa multiflora Rubus occidentalis	Shrub (1-2 m) layer: Total cover (%)_____	Shrub (1-2 m) layer: Total cover (%)_____
Herb layer: Total cover (%)_____ Solidago flexicaulis Symphyotrichum lateriflorum Rhamnus cathartica	Herb layer: Total cover (%)_____	Herb layer: Total cover (%)_____
Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use:	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 x 40 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

-> complete separate description forms for **each** notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # 120-5
Community type: Floodplain / Early Successional Forest			Adjacent communities: road, river
Quad:	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height: 45'	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay): 8 dead trees 4-10" dia, to 40' long w & w/o bark; also 5% of forest floor w decaying limbs & branches	
supercanopy trees? Ø	Acer negundo 16 inch dbh, 45 feet tall, 24 ybp Ulmus americana 7 inch, 40 feet, 27 ybp Acer negundo 12 inch dbh, 55 feet tall		

HISTORY (describe evidence or lack thereof: please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
Ø	Ø	Ø	Ø	Ø

comment: Ripuvian/Bank zone w large rocks/boulders from river up slope to road - these are covered w leaf litter, dead wood, vegetation - but this material was likely placed to stabilize bank

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Euonymus fortunei
Malus sp.
Juglans cinerea
Solid. rugosa
Equis. pratense.

Species list sketchy or basically complete?
Comment:

VEGETATION PLOT DATA

Area: Housatonic River, East Branch				Obs. pt. #: 120-5
Community type: Floodplain / Early Successional forest			(Regional alliance/community:)	

LAYER	plot #			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: 50'x40' QUAD SIZE: note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	A. negundo 6, 12, 8, 7, 6, 6, 6, 4 U. americana 3, 5, 7, 3, 5, 5 A. platan. 3, 3, 3 Rhus typhina 3			
SAPLING / TALL SHRUB cover class by species of trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall 20'x20' QUAD SIZE: 2.8 m radius or 25 m²	A. platan. 3 Fraxinus americana 9 Cornus alternif. 19 Ulm. americ. 3 Vitis riparias 3 Rhamnus cathartica 3			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 20'x20' 2.8 m radius or 25 m²	Rubus occidentalis 9 Rosa multiflora 19 Lonicera morrow. 3 Berberis thunbergi 1			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 20'x20' 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Solid. flexicaulis 3 Rhamnus cartharca 3 Symphorat. sp 1 Solanum dulcam. 1 Solid. gigantea 1 Symph. laterifl. 1 Rumex crispus 1 Alliaria officin 1			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.	≤ 1%			
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

OGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: 120 S

Community type: Floodplain / Early successional forest | (Regional alliance/community:)

Elevation: | Aspect: 329° /f (magnetic) or true? | Slope: measured or estimated? | Microtopography: not much microtop- steep, rock enforced slope

pH: ∅ (note kit or meter type)

Topographic position: Bank

P low plain, level
T toe of slope
LS lower slope
MS middle slope
TB hillside terrace/bench
US upper slope
E cliff/ledge
C crest
M high plateau
N narrow valley
D drainage channel

Habitat patchiness (describe zones or patches if present): uniform thick shrub/tree regener.

Mineral Soil Profile:

horizon | depth (cm) | color | mottling | other

O

A

E

B

C

Organic Soil Profile:

peat depth: _____ cm OR > 1 m _____

vonPost decomposition: _____

ALL SOILS:

DEPTH TO WATER TABLE: _____

DEPTH to OBSTRUCTION: _____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:

bedrock
talus slope
glacial till
moraine
esker/outwash
glacial delta
lacustrine/fluvial
marine
aeolian man-made
other:

Surface: man made

_____% Bedrock
_____% Boulders (>50 cm)
_____% Cobbles/Gravel
_____% Bare mineral soil
_____% Organic soil
_____% Litter (note type)
_____% Water
_____% Total vegetation
_____ Other:

Average Texture:

gravel man-made
sand
loamy sand / sandy loam
loam
silt loam
clay loams
sandy clay / clay
peat
muck

Bedrock type:

Igneous
granite
dioritic
gabbroic
other igneous
_____
Metamorphic
slate/phyllite
schist/gneiss
other metamorphic
_____

Sedimentary
limestone
other sedimentary
_____
details? man-made

Soil stoniness:

v. little (< 1%)
moderate (2-25%)
very (25-100%)

Drainage & moisture regime (see MAPPSS key):

very poorly drained
poorly drained
somewhat poorly drained
moderately well drained
well drained
somewhat excessively drained
excessively drained

Hydrologic regime:

upland

nontidal wetland:
permanently flooded
semiperm'ly flooded
seasonally flooded
saturated

tidal - irregularly
tidal - regularly
saltwater
brackish
freshwater

unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE

Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch			Date: 12 November 1998
(Site name:) 130-S		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Ray, Vickie Schuman	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

see map

VEGETATION / HABITAT

Observation Point 1	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 290°N, terrace to steep bank	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%):_____ Acer negundo Acer platanoides	Tree layer: Total cover (%):_____	Tree layer: Total cover (%):_____
Sapling / tall shrub layer: Total cover (%)_____ Acer platanoides Vitis riparia	Sapling / tall shrub layer: Total cover (%)_____	Sapling / tall shrub layer: Total cover (%)_____
Shrub (1-2 m) layer: Total cover (%)_____ Euonymus fortunei Rosa multiflora	Shrub (1-2 m) layer: Total cover (%)_____	Shrub (1-2 m) layer: Total cover (%)_____
Herb layer: Total cover (%)_____ Euonymus fortunei Lonicera morrowii Fraxinus americana	Herb layer: Total cover (%)_____	Herb layer: Total cover (%)_____
Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Residential areas adjacent to plot	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50x25 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

-> complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # 130-5
Community type: Floodplain / Early Successional forest			Adjacent communities: river; road
Quad:	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height: 35'	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh) Ulmus americana 6 inch, 40 feet tall, Acer negundo 8 inch, 35 feet Acer negundo 11 inch dbh, 45 feet tall,	Deadwood (describe distribution, abundance, degree of decay): 6, 20-40' long, 6-8" diam. trees lie on the ground; most w/o bark; some 1/2 decayed to point of becoming litter	
supercanopy trees? Ø			

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
Ø	Ø	Ø	Ø	Ø

comment: adjacent road & residential development has had the biggest affect on this riparian community; banks are very steep

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Poa nemoralis
Hesperis matronalis
Geum canadense
Oxalis cf. stricta
Taraxacum officinale
Solid. flexicaulis
Epilobium ciliatum ssp. glandulosum
Symphiotrichum cordifolium
Echinocystis oregana
Grass sp.*

Species list sketchy or basically complete?
Comment:

VEGETATION PLOT DATA

Area: Housatonic River, East Branch			Obs. pt. #: 120-5
Community type: Floodplain / Early Successional forest		(Regional alliance/community:)	

LAYER	plot #			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 x 25' note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	A. negundo 10, 13, 10, Ulm. amer. 6, 3, A. plant. 4, 2, 4, 3, 4 Aesc. hippocast. 3	11, 9, 7, 9, 7, 4, 10, 11		
SAPLING / TALL SHRUB cover class by species of trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall 20 x 20 QUAD SIZE: 2.8 m radius or 25 m²	A. negundo 9 A. platanoides 19 U. americanus 9 " 9 Vitis riparia			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. 20 x 20 QUAD SIZE: 2.8 m radius or 25 m²	Fraxinus americanus - 3 Physocarpus opulifolius - 1 A. platanoides - 3 Lonicera maackii - 9 Euonymus fortunei - 19 Rosa multiflora - 9			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 20 x 20' 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Fraxinus americana 3 Symp. sp.* 1 Lonicera maack. 3 Euonymus fort. 9 Lysim. nummu. 1 Alliaria officin. 1			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.	Ø			
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

TOPOGRAPHY / SOILS

130-2?

Area: Housatonic River, East Branch | Obs. pt. #: 120-5

Community type: Floodplain / Early successional forest | (Regional alliance/community:)

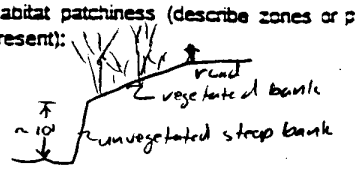
Elevation:	Aspect: 290°A (magnetic) or true?	Slope: measured or estimated?	Microtopography: bank contains rills 1-2' deep from old erosion

pH: Ø (note kit or meter type)

Topographic position: bank of river

(P) low plain, level; T toe of slope; LS lower slope; MS middle slope; TB hillside terrace/bench; US upper slope; E cliff/ledge; C crest; M high plateau; N narrow valley; D drainage channel

Habitat patchiness (describe zones or patches if present):



Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth: _____ cm OR > 1 m _____

vonPost decomposition: _____

ALL SOILS:

DEPTH TO WATER TABLE: _____

DEPTH to OBSTRUCTION: _____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:

- bedrock
- talus slope
- glacial till
- moraine
- esker/outwash
- glacial delta
- lacustrine/fluvial
- marine alluvial
- aeolian man-made
- other:

Surface:

- ____% Bedrock
- ____% Boulders (>50 cm)
- ____% Cobbles/Gravel
- 10 % Bare mineral soil
- ____% Organic soil
- 80 % Litter (note type) leaf
- ____% Water
- 10 % Total vegetation
- ____ Other:

Average Texture:

- gravel man-made
- sand
- loamy sand / sandy loam
- loam
- silt loam
- clay loams
- sandy clay / clay
- peat
- muck

Bedrock type:

Igneous
- granite
- dioritic
- gabbroic
- other igneous _____

Metamorphic
- slate/phyllite
- schist/gneiss
- other metamorphic _____

Sedimentary
- limestone &
- other sedimentary _____

details? man-made

Soil stoniness:

- v. little (< 1%)
- moderate (2-25%)
- very (25-100%)

Drainage & moisture regime (see MAPPSS key):

- very poorly drained
- poorly drained
- somewhat poorly drained
- moderately well drained
- well drained
- somewhat excessively drained
- excessively drained

Hydrologic regime:

- upland
- nontidal wetland:
  - permanently flooded
  - semiperm'ly flooded
  - seasonally flooded
  - saturated
- tidal - irregularly
- tidal - regularly
  - saltwater
  - brackish
  - freshwater
- unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE

Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch			Date: 12 November 1998
(Site name:) 140-S		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Roy, Vickie Schuman	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

See map

VEGETATION / HABITAT

Observation Point 1	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 322°M	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%):_____ Ulmus americana Acer negundo	Tree layer: Total cover (%):_____	Tree layer: Total cover (%):_____
Sapling / tall shrub layer: Total cover (%)_____ Rhamnus cathartica Rosa multiflora	Sapling / tall shrub layer: Total cover (%)_____	Sapling / tall shrub layer: Total cover (%)_____
Shrub (1-2 m) layer: Total cover (%)_____ Euonymus europaea Rhamnus cathartica	Shrub (1-2 m) layer: Total cover (%)_____	Shrub (1-2 m) layer: Total cover (%)_____
Herb layer: Total cover (%)_____ Rosa multiflora Rhamnus cathartica Poa nemoralis	Herb layer: Total cover (%)_____	Herb layer: Total cover (%)_____
Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Residences adjacent to community	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 x 40 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

> complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # 140-5
Community type: Floodplain / Early Successional forest		Adjacent communities: Road / Residential Prop & River	
Quad:	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height:	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):
75'	Populus deltoides 13 inch, 65 feet tall, +/- 40 ybp	~10% of forest floor & areas immediately above it (i.e. from 0-8') have numerous fallen twigs/branches 1-2" in diameter & 5-10' long.
supercanopy trees?	Ulmus americana 6 inch, 40 feet, 24 ybp	
Ø	Acer negundo 6 inch, 30 feet tall	

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
Ø	Ø	Ø	Ø	Ø

comment: Most impacts have been from historic residential development of adjacent lands

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Viburnum opulus	Berb. thunb.
Elymus riparius	Solid. flexicaulis
Elymus cf. canadensis	Agos. sp. *
malus sp.	Solid. gigant.
Symp. cordif.	Lysim. nummularia

Species list sketchy or basically complete?
Comment:

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: 140-S

Community type: Floodplain / Early Successional forest | (Regional alliance/community:)

LAYER	plot #				
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 x 40' note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	P. deltoids 13 U. americana 4, 3, A. negundo 5, 8, 6, Fraxinus americana 2, A. plantanoides 4, 6,	3, 3, 7, 5, 6 5 6 7,			
SAPLING / TALL SHRUB cover class by species of trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 20 x 20' 2.8 m radius or 25 m²	Rhamnus cathartica 19 Rosa multiflora 19 Vitis riparia 9				
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 20 x 20' 2.8 m radius or 25 m²	Euonymus europ. 9 Rhamnus cathar. 9 Cornus amomum 9 Rosa multiflora 9 Physocarpus opulifolia 9				
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 20 x 20' 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Rubus occident. 3 Geum canadense 3 Equis pratense 3 Euonym. fort. 3 Rhamnus cathar 9 Rosa multiflora 9 Solidago gigantea 1 Cornus sericea 3 Symphiot. sp # 1 Carex sp. 1	~~Rosa multiflora 9~~ Poa nemoralis 3 Symphio. lator. 1 Bromus latiglumis 3 Epilob. ciliatum ssp. glandulosum 1 Rumex crispus 1 Ranunculus sp # 1 Celastrus orbiculata 3 Prunella vulgaris 1			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.	1 sp. collected 3				
REMARKS					

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: 140-

Community type: Floodplain / Early successional forest | (Regional alliance/community:)

Elevation:	Aspect: 320°A (magnetic) or true?	Slope: measured or estimated?	Microtopography: some 1' mounds above normal grade from man-made fill - boulders & concrete

pH: ~~(~~ (note kit or meter type)

Topographic position:

P low plain, level
T toe of slope
LS lower slope
MS middle slope
TB hillside terrace/bench
US upper slope
E cliff/ledge
C crest
M high plateau
N narrow valley
D drainage channel

Habitat patchiness (describe zones or patches if present): uniform riparian edge in this area

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth: _____ cm OR > 1 m _____

vonPost decomposition: _____

ALL SOILS:

DEPTH TO WATER TABLE: _____

DEPTH to OBSTRUCTION: _____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:

- bedrock
- talus slope
- glacial till
- moraine
- esker/outwash
- glacial delta
- lacustrine/fluvial
- marine
- aeolian alluvial & man-made
- other:

Surface:

- ____% Bedrock
- 10 % Boulders (>50 cm) man-made/placed
- ____% Cobbles/Gravel
- ____% Bare mineral soil
- ____% Organic soil
- 75 % Litter (note type)
- ____% Water
- 15 % Total vegetation
- ____ Other:

Average Texture:

- gravel
- sand
- loamy sand / sandy loam
- loam
- silt loam
- clay loams
- sandy clay / clay
- peat
- muck

Bedrock type:

Igneous
- granite
- dioritic
- gabbroic
- other igneous
- _____

Metamorphic
- slate/phyllite
- schist/gneiss
- other metamorphic
- _____

Sedimentary
- limestone naturally
- other sedimentary
- _____

details?

Soil stoniness:

- v. little (< 1%)
- moderate (2-25%)
- very (25-100%)

man-made

Drainage & moisture regime (see MAPPSS key):

- very poorly drained
- poorly drained
- somewhat poorly drained
- moderately well drained
- well drained
- somewhat excessively drained
- excessively drained

Hydrologic regime:

- upland
- nontidal wetland:
  - permanently flooded
  - semiperm'ly flooded
  - seasonally flooded
  - saturated
- tidal - irregularly
- tidal - regularly
  - saltwater
  - brackish
  - freshwater
- unknown

NATURAL COMMUNITY SURVEY — PART I: RECONNAISSANCE

Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch			Date: 12 November 1998
(Site name:) ~~150-S~~ 148-S		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Roy, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

VEGETATION / HABITAT

Observation Point 1	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 323°M, gradual slope	Slope, aspect, topography:	Slope, aspect, topography:
STRATA*: cover & 1-2 dominant spp. for each	STRATA*: cover & 1-2 dominant spp. for each	STRATA*: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%):_____ Acer negundo Acer platanoides	Tree layer: Total cover (%):_____	Tree layer: Total cover (%):_____
Sapling / tall shrub layer: Total cover (%)_____ Acer negundo	Sapling / tall shrub layer: Total cover (%)_____	Sapling / tall shrub layer: Total cover (%)_____
Shrub (1-2 m) layer: Total cover (%)_____ Acer negundo Physocarpus opulifolius	Shrub (1-2 m) layer: Total cover (%)_____	Shrub (1-2 m) layer: Total cover (%)_____
Herb layer: Total cover (%)_____ Elymus canadensis Bromus latiglumis Alliaria petiolata	Herb layer: Total cover (%)_____	Herb layer: Total cover (%)_____
Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Residential areas adjacent to community	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 X 25 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

-> complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # 148 ~~152~~ - S
Community type: Floodplain / Early Successional forest			Adjacent communities: river; resid. housing
Quad:	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):
40'	Acer negundo 13 inch dbh, 40 feet tall, Acer platanoides 6 inch, 20 feet, 21 ybp Ulmus americana 13 inch, 60 feet tall, 24 ybp	2 standing stumps, partially decayed - 1 is 6' tall the other 2' tall; 1-2% of plot has downed branches 1.5" in diameter and 6' long on average
supercanopy trees? Ø		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
Ø	Ø	Ø	Ø	Ø

comment: historical impacts from residential development, and road and bridge construction - edge of plot next to bridge

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Oenothera cf. biennis	Rhamnus cathartica	Species list sketchy or basically complete? Comment:
Chelidonium majus	Cornus sericea	
Epilob. ciliatum ssp. glandulosum	Cornus amomum	
Poa nemoralis		
Poa pratensis		

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: ~~42~~-5

Community type: Floodplain / Early Successional Forest | (Regional alliance/community:)

LAYER	plot #								
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 x 25' note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	A. negundo 13, 4, 3, 5 U. americana 13, A. platan. 6, 4, 29								
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall 20 x 20' QUAD SIZE: 2.8 m radius or 25 m²	A. negundo 3								
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. 20 x 20' QUAD SIZE: 2.8 m radius or 25 m²	A. negundo 3 Physocarpus opulifolius 3 Shrub sp.* 3								
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 20 x 20 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Symphio. lataril.	3	Alluvia offic.	9					
	Geum sp.	1							
	Elymus sp.* (big drooping inflor.)	19							
	Bromus latiglumis	9							
	Rumex crispus	1							
	Symphio. cord.	1							
	Solid. gigan.	1							
	Xanthium echin.	1							
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.									
REMARKS									

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

TOPOGRAPHY / SOILS

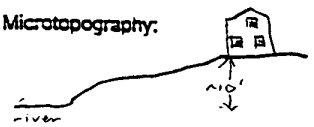
Area: Housatonic River, East Branch | Obs. pt. #: ~~138~~ S

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation:

Aspect: 323° A (magnetic or true?)

Slope: measured or estimated?

Microtopography: 

gradual slope w small mounds ≤1' high.

pH: 0 (note kit or meter type)

Topographic position: river bank

(P) low plain, level
T toe of slope
LS lower slope
MS middle slope
TB hillside terrace/bench
US upper slope
E cliff/ledge
C crest
M high plateau
N narrow valley
D drainage channel

Habitat patchiness (describe zones or patches if present): uniform patches of trees/shrubs

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth: _____ cm OR > 1 m _____

vonPost decomposition: _____

ALL SOILS:

DEPTH TO WATER TABLE: _____

DEPTH to OBSTRUCTION: _____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:

- bedrock
- talus slope
- glacial till
- moraine
- esker/outwash
- glacial delta
- lacustrine/fluvial
- marine
- aeolian
- other: alluvial & man made

Surface:

- ____% Bedrock
- ____% Boulders (>50 cm)
- ____% Cobbles/Gravel
- 15 % Bare mineral soil
- ____% Organic soil
- 75 % Litter (note type)
- ____% Water
- 10 % Total vegetation
- ____ Other:

Average Texture:

- gravel
- sand
- (loamy sand / sandy loam)
- loam
- silt loam
- clay loams
- sandy clay / clay
- peat
- muck

Bedrock type:

Igneous
- granite
- dioritic
- gabbroic
- other igneous _____

Metamorphic
- slate/phyllite
- schist/gneiss
- other metamorphic _____

Sedimentary
- (limestone)
- other sedimentary _____

details?

Soil stoniness:

- (v. little (< 1%))
- moderate (2-25%)
- very (25-100%)

Drainage & moisture regime (see MAPPSS key):

- very poorly drained
- poorly drained
- somewhat poorly drained
- moderately well drained
- (well drained)
- somewhat excessively drained
- excessively drained

Hydrologic regime:

- (upland)
- nontidal wetland:
  - permanently flooded
  - semiperm'ly flooded
  - seasonally flooded
  - saturated
- tidal - irregularly
- tidal - regularly
  - saltwater
  - brackish
  - freshwater
- unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE

Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch			Date: 12 November 1998
(Site name:) 160-S		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Roy, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

see map

VEGETATION / HABITAT

Observation Point 1	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional FOREST	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 286°M, gradual slope	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%):_____ Acer platanoides Acer negundo	Tree layer: Total cover (%):_____	Tree layer: Total cover (%):_____
Sapling / tall shrub layer: Total cover (%)_____ Acer platanoides	Sapling / tall shrub layer: Total cover (%)_____	Sapling / tall shrub layer: Total cover (%)_____
Shrub (1-2 m) layer: Total cover (%)_____ Rubus occedentalis Rosa multiflora	Shrub (1-2 m) layer: Total cover (%)_____	Shrub (1-2 m) layer: Total cover (%)_____
Herb layer: Total cover (%)_____ Ageratina altissima Agrimonia striata Dry cf. nemoralis	Herb layer: Total cover (%)_____	Herb layer: Total cover (%)_____
Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use:	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 x 40 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

-> complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # 160 S
Community type: Floodplain / Early successional forest			Adjacent communities: Resid. dev.; River
Quad:	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
45'	Acer platanoides 7 inch dbh, 40 feet tall	3 trees ~12" dbh - 20-30' long lying on ground, bark partially off	
supercanopy trees?	Ulmus americana 7 inch dbh, 40 ft. tall, 22 ybp		
∅	Acer saccharinum 8 inch, 40 feet, 19 ybp		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
∅	∅	∅	∅	∅

comment: Community in this area most affect by historic residential development

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Hesperis matronalis
Symphio. laterif.
Rhamnus cathartica
Phalaris arundin.
Physocarpus opulif.
Myosotis scorpioides
Epilobium ciliatum ssp. glandulosum
Bidens cernua
Echinocystis lobata

Species list sketchy or basically complete?
Comment:

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: 160 S

Community type: Floodplain / Early Successional forest | (Regional alliance/community:)

LAYER	plot #				
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 x 40' note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	A. negundo, 9, 13, 7 A. saccharinum 8, 6, 4, U. amer. 4, 8, A. platan. 6, 3, 3, 7, 4 S. nigra. 23				
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 20 x 20' 2.8 m radius or 25 m²	A. platani. 9				
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 20 x 20 2.8 m radius or 25 m²	Rubus occidentalis 9 Rosa multiflora 9 Celastrus orbiculatus 3 Cornus amomum 3 Juglans cinerea 1				
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 20 x 20' 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Agoratina altissima 19 Lapsana canad. 1 Symphyc. cord. 1 Agrimonia striata 19 Geum laciniatum* 1 Equis. pratense 1 Elymus riparia 9 Rumex crispus 3 Solidago gigant. 9	Galium mollugo 3 Mentha arvensis 1 Poa sp.* 19 Lysim. quadrif. 1 Solanum dulcamara 1 Bromus latiglumis* 1			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.					
REMARKS					

in box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: 160 S

Community type: Floodplain / Early successional forest | (Regional alliance/community:)

Elevation:

Aspect: 246° A (magnetic or true?)

Slope: measured or estimated?

Microtopography: smooth, gradual rise no pit & mound

pH: Ø (note kit or meter type)

Topographic position:

P low plain, level
T toe of slope
LS lower slope
MS middle slope
TB hillside terrace/bench
US upper slope
E cliff/ledge
C crest
M high plateau
N narrow valley
D drainage channel

Habitat patchiness (describe zones or patches if present): uniform, thin OS & OS, domin. by herbs

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth: _____ cm OR > 1 m _____

vonPost decomposition: _____

ALL SOILS:

DEPTH TO WATER TABLE: _____

DEPTH to OBSTRUCTION: _____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:

bedrock
talus slope
glacial till
moraine
esker/outwash
glacial delta
lacustrine/fluvial
marine
alluvial
aeolian
other:

Surface:

____% Bedrock
____% Boulders (>60 cm)
____% Cobbles/Gravel
10 % Bare mineral soil
____% Organic soil
10 % Litter (note type) downed trees/lvs.
____% Water
80 % Total vegetation
____ Other:

Average Texture:

gravel
sand
loamy sand / sandy loam
loam
silt loam
clay loams
sandy clay / clay
peat
muck

Bedrock type:

Igneous
granite
dioritic
gabbroic
other igneous
_____
Metamorphic
slate/phyllite
schist/gneiss
other metamorphic
_____

Sedimentary
limestone
other sedimentary
_____
details?

Soil stoniness:

v. little (< 1%)
moderate (2-25%)
very (25-100%)

Drainage & moisture regime (see MAPPSS key):

very poorly drained
poorly drained
somewhat poorly drained
moderately well drained
well drained
somewhat excessively drained
excessively drained

Hydrologic regime:

upland

nontidal wetland:
permanently flooded
semiperm'ly flooded
seasonally flooded
saturated

tidal - irregularly
tidal - regularly
saltwater
brackish
freshwater

unknown

NATURAL COMMUNITY SURVEY — PART I: RECONNAISSANCE — Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch			Date: 12 November 1998
(Site name:) 170 S		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Ray, Vickie Schuknecht	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

See map

VEGETATION / HABITAT

Observation Point 1	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 229°M	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%):_____ Acer negundo Pinus Strobus	Tree layer: Total cover (%):_____	Tree layer: Total cover (%):_____
Sapling / tall shrub layer: Total cover (%)_____ NA	Sapling / tall shrub layer: Total cover (%)_____	Sapling / tall shrub layer: Total cover (%)_____
Shrub (1-2 m) layer: Total cover (%)_____ Acer negundo Solanum dulcamara	Shrub (1-2 m) layer: Total cover (%)_____	Shrub (1-2 m) layer: Total cover (%)_____
Herb layer: Total cover (%)_____ Ageratina altissima Agrimonia striata Bromus latiglumis	Herb layer: Total cover (%)_____	Herb layer: Total cover (%)_____
Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Residential Areas adjacent to Plot	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 x 25 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

-> complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt # 170 S
Community type: Floodplain / Early Successional forest			Adjacent communities: Residential / River
Quad:	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
35'	Pinus strobus	2 - 20' long dead trees -	
supercanopy trees?	10 inch, 45 feet tall, 33 years bp	1 ~10" dbh & 1 ~6" dbh, both w	
Ø	Acer negundo	some bark on them	
	15 inch dbh, 40 feet,		
	Acer negundo		
	6 inch dbh, 30 feet tall, 20 ybp		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
Ø	Ø	Ø	Ø	Ø

comment: Historical residential development impacted this area by developing the forest into house lots with lawns

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Rubus occidentalis
Chelidonium majus
Epilobium sp.
Solid. sp.*

Species list sketchy or basically complete?
Comment:

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: 1705

Community type: Floodplain / Early Successional forest | (Regional alliance/community:)

LAYER	plot #									
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 x 25' note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	A. negundo 15, 6, 15, 4, 5, 4 P. strobus 10, 4									
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall 20 x 20' QUAD SIZE: 2.8 m radius or 25 m²	Ø									
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. 20 x 20' QUAD SIZE: 2.8 m radius or 25 m²	A. negundo 3 Solanum dulcamara 1									
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 20 x 20' 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Bromus latiglum. 3 Poa pratensis 3 Bidens connua 1 Elymus canadense 3 Agrostis gigantea 19 Solid. gigant. 1 Rumex crispus 1 Alliaria officin. 9 Agrimonia striata 19		Geum canadense 1 Oenothera biennis 1 Arctium minus 3 Elymus riparia 1 Poa nemoralis 3 Galium mollugo 1 Symphio. cord. 1							
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.	Ø									
REMARKS										

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

GRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: 1705

Community type: Floodplain / Early successional forest | (Regional alliance/community:)

Elevation:

Aspect: 229°A (magnetic) or true?

Slope: measured or estimated?

Microtopography: lawn — small pockets of erosion have created depressions 1' deep in places — river

pH: ∅ (note kit or meter type)

Topographic position: bank of river

P low plain, level
T toe of slope
LS lower slope
MS middle slope
TB hillside terrace/bench
US upper slope
E cliff/ledge
C crest
M high plateau
N narrow valley
D drainage channel

Habitat patchiness (describe zones or patches if present): uniform zone of forest b/w lawns & houses

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth: _____ cm OR > 1 m _____

vonPost decomposition: _____

ALL SOILS:

DEPTH TO WATER TABLE: _____

DEPTH to OBSTRUCTION: _____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:

- bedrock
- talus slope
- glacial till
- moraine
- esker/outwash
- glacial delta
- lacustrine/fluvial
- marine alluvial &
- aeolian man-made
- other:

Surface:

- ____% Bedrock
- 10 % Boulders (>60 cm)
- ____% Cobbles/Gravel
- 20 % Bare mineral soil
- ____% Organic soil
- 20 % Litter (leaf & wood) (~~note type~~)
- ____% Water
- 50 % Total vegetation
- ____ Other:

Average Texture:

- gravel
- sand
- loamy sand / sandy loam
- loam
- silt loam
- clay loams
- sandy clay / clay
- peat
- muck

Bedrock type:

Igneous
- granite
- dioritic
- gabbroic
- other igneous _____

Metamorphic
- slate/phyllite
- schist/gneiss
- other metamorphic _____

Sedimentary
- ~~limestone~~
- other sedimentary _____

details?

Soil stoniness:

- v. little (< 1%)
- moderate (2-25%)
- very (25-100%)

Drainage & moisture regime (see MAPPSS key):

- very poorly drained
- poorly drained
- somewhat poorly drained
- moderately well drained
- well drained
- somewhat excessively drained
- excessively drained

Hydrologic regime:

- upland
- nontidal wetland:
  - permanently flooded
  - semiperm'ly flooded
  - seasonally flooded
  - saturated
- tidal - irregularly
- tidal - regularly
  - saltwater
  - brackish
  - freshwater
- unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE

Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch			Date: 12 November 1998
(Site name:) 190-S		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Ray, Vickie Schuman	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5 Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

See Map

VEGETATION / HABITAT

Observation Point 1	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 270°m, sloped bank	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%):_____ Acer platanoides Acer negundo	Tree layer: Total cover (%):_____	Tree layer: Total cover (%):_____
Sapling / tall shrub layer: Total cover (%)_____ Acer platanoides Vitis riparia	Sapling / tall shrub layer: Total cover (%)_____	Sapling / tall shrub layer: Total cover (%)_____
Shrub (1-2 m) layer: Total cover (%)_____ Lonicera Morrowii Vitis riparia	Shrub (1-2 m) layer: Total cover (%)_____	Shrub (1-2 m) layer: Total cover (%)_____
Herb layer: Total cover (%)_____ Rhamnus cathartica	Herb layer: Total cover (%)_____	Herb layer: Total cover (%)_____
Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use:	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 x 25 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

→ complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # 180-5
Community type: Floodplain / Early Successional forest			Adjacent communities: Residential; River
Quad:	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
(shrubland)	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):
40'	Acer negundo 12 inch, 55 feet, Acer platanoides ① 12 inch, 60 feet, 36 ybp ② 11 inch, 50 feet, 34 ybp	few scattered limbs on ground or hung up in vegetation - tough to see entire plot due to dense shrub layer
supercanopy trees? Ø		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
Ø	Ø	Ø	Ø	Ø

comment: Most historic impacts associated with development of residential properties and roads

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Eucym. europ.	Solid. gigant.
Privit*	Rosa multiflora
Oenothera biennis	Poa pratensis
Lolium arundin.	Alliaria officinalis
Nasturtium officinale	Galium mollugo

Species list sketchy or basically complete?
Comment

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: 180-5

Community type: Floodplain / Early Successional forest | (Regional alliance/community:)

LAYER	plot #			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 x 25 note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	A. negundo 12, A. platan. 11, 12, 4, 9, 7, 10			
SAPLING / TALL SHRUB cover class by species of trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall 20 x 20' QUAD SIZE: 2.8 m radius or 25 m²	A. platan. 9 V. riparia 9.			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. 20 x 20' QUAD SIZE: 2.8 m radius or 25 m²	Viburnum opulus *19 Lonicera morrowii 37 Vitis riparia 37			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 20 x 20' 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Rhamnus cathart.			
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.	0			
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE

Maine Natural Areas Pro

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch			Date: 12 November 19
(Site name:) T190S		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Ray, Vickie Schoonad	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5x15.0 Minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

See Map

VEGETATION / HABITAT

Observation Point 1	Observation Point 2	Observation Point 3
Community type:	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 270°M, sloped bank	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for ea
Tree layer: Total cover (%):_____ Fagus grandifolia, Tsuga canadensis	Tree layer: Total cover (%):_____	Tree layer: Total cover (%):_____
Sapling / tall shrub layer: Total cover (%)_____ Fagus grandifolia	Sapling / tall shrub layer: Total cover (%)_____	Sapling / tall shrub layer: Total cover (%)_____
Shrub (1-2 m) layer: Total cover (%)_____ Cornus sericea, Euonymus europaea	Shrub (1-2 m) layer: Total cover (%)_____	Shrub (1-2 m) layer: Total cover (%)_____
Herb layer: Total cover (%)_____ Matteuccia Struthiopteris, Lonicera Morrowii, Symphyotrichum lateriflorum	Herb layer: Total cover (%)_____	Herb layer: Total cover (%)_____
Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____	Bryoid layer: Total cover (%)_____
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Agricultural areas adjacent to Plot	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENT plots (size)? tree cores? photos?

date: initials: p. ____

TOPOGRAPHY / SOILS

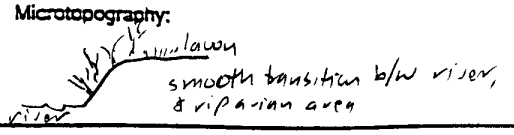
Area: Housatonic River, East Branch | Obs. pt. #: 180-5

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation:

Aspect: 270° A (magnetic) or true?

Slope: measured or estimated?

Microtopography: 

pH: 6 (note kit or meter type)

Topographic position:
P low plain, level
T toe of slope
LS lower slope
MS middle slope
TB hillside terrace/bench
US upper slope
E cliff/ledge
C crest
M high plateau
N narrow valley
D drainage channel

Habitat patchiness (describe zones or patches if present): uniform edge of shrubs/trees and river bank b/w river and lawn

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth:_____cm OR > 1 m_____

vonPost decomposition:_____

ALL SOILS:

DEPTH TO WATER TABLE:_____

DEPTH to OBSTRUCTION:_____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:
bedrock
talus slope
glacial till
moraine
esker/outwash
glacial delta
lacustrine/fluvial
marine
aeolian alluvial
other:

Surface:
_____% Bedrock
_____% Boulders (>50 cm)
_____% Cobbles/Gravel
_____% Bare mineral soil
_____% Organic soil
95 % Litter (note type)
_____% Water overlap
80 % Total vegetation
_____ Other:

Average Texture:
gravel
sand
loamy sand / sandy loam
loam
silt loam
clay loams
sandy clay / clay
peat
muck

Bedrock type:
Igneous
granite
dioritic
gabbroic
other igneous
_____
Metamorphic
slate/phyllite
schist/gneiss
other metamorphic
_____
Sedimentary
limestone
other sedimentary
_____
details?

Soil stoniness:
v. little (< 1%)
moderate (2-25%)
very (25-100%)

Drainage & moisture regime (see MAPPSS key):
very poorly drained
poorly drained
somewhat poorly drained
moderately well drained
well drained
somewhat excessively drained
excessively drained

Hydrologic regime:
upland
nontidal wetland:
permanently flooded
semiperm'ly flooded
seasonally flooded
saturated
tidal - irregularly
tidal - regularly
saltwater
brackish
freshwater
unknown

TURAL COMMUNITY SURVEY PART II: DESCRIPTION

complete separate description forms for each notable natural community on reconnaissance page.

NTIFIERS / LOCATION

ea (specific/general):	Obs. Pt. # 190-5
ommunity type: Mixed HW/SW Forest	Adjacent communities: River; Residential

uad:	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
Quad code:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
forest	evergreen woody	broad-leaf woody
woodland	deciduous woody	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):
50'	Quercus rubra 6 inch, 40 feet	1 - 8" dead hemlock, 25' long w basic still on ~5% of rest of forest floor with broken limbs/small branches 5-10' long & 1" in diameter,
subcanopy trees?	Fagus grandifolia 13 inch, 65 feet	1 - standing 15' tall very decayed hemlock tree w/ ~14" dbh
Ø	Fraxinus americana 16 inch, 60 feet, 47 yrs	

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
Ø	Ø	historic likely, no stumps visible	adj. areas likely farmed or used as pasture	Ø

comment: Area next to residential housing

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Picea rubens
Aster divaricatus

Species list sketchy or basically complete?
Comment:

date: initials: p. ____ of ____

Area: | Obs. pt. #: 1905

Community type: | (Regional alliance/community:)

LAYER	plot #				
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50 x 30' note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout	Betula lenta 10, Fagus grandifolia 13, Tsuga canadensis 6, Quercus rubra 6 Ulm. amer. 4 Fraxinus americ. 14, Acer saccharum 5	4,5,5,3,4 18,			
SAPLING / TALL SHRUB cover class by species of trees > 2 m tall but < 5 cm dbh and shrubs > 2 m tall QUAD SIZE: 20 x 20' 2.8 m radius or 25 m²	Fagus grandifolia 19				
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall QUAD SIZE: 20 x 20' 2.8 m radius or 25 m²	Euonym. europ. 9 Acer spicatum 3 Cornus sericea 9				
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 20 x 20' 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Poa nemoralis 1 Symphiot. cord. 1 Carex sp* 3 Matt. struthio. 9 Lonic. morrow. 3 Symphiot. lutenf. 3 Taxus canad. 3 Elymus riparia 1				
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss","liverwort","lichen" only; __identified to major group; __identified to genus; __identified to species.	~ 1 % * collected 3 sp.				
REMARKS	Coon scat in plot				

n box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species lis

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

date: initials: p. ___ of ___

TOPOGRAPHY / SOILS

Area:

Obs. pt. #: 190-S

Community type:

(Regional alliance/community:)

Elevation:

Aspect: 339°A

magnetic or true?

Slope:

measured or estimated?

Microtopography: Wood debris burning active creating some micro top. + some old fill? lawn has created mounds as well

river

cm

Ø

(note kit or meter type)

Topographic position: river bank

P low plain, level
T toe of slope
LS lower slope
MS middle slope
TB hillside terrace/bench
US upper slope
E cliff/ledge
C crest
M high plateau
N narrow valley
D drainage channel

Habitat patchiness (describe zones or patches if present): uniform patch of forest b/w river and houses

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth: _____ cm CR > 1 m _____

vonPost decomposition: _____

ALL SOILS:

DEPTH TO WATER TABLE: _____

DEPTH to OBSTRUCTION: _____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:

- bedrock
- talus slope
- glacial till
- moraine
- esker/outwash
- glacial delta
- lacustrine/fluvial
- marine
- aeolian
- other: alluvial d man-made

Surface:

- _____ % Bedrock
- _____ % Boulders (>60 cm)
- _____ % Cobbles/Gravel
- 10 % Bare mineral soil
- _____ % Organic soil
- 60 % Litter (note type)
- _____ % Water
- 30 % Total vegetation
- _____ Other:

Average Texture:

- gravel
- sand
- loamy sand / sandy loam
- loam
- silt loam
- clay loams
- sandy clay / clay
- peat
- muck

Bedrock type:

Igneous
- granite
- dioritic
- gabbroic
- other igneous

_____

Metamorphic
- slate/phyllite
- schist/gneiss
- other metamorphic

_____

Sedimentary
- limestone
- other sedimentary

_____

details?

Soil stoniness:

- v. little (< 1%)
- moderate (2-25%)
- very (25-100%)

Drainage & moisture regime (see MAPPSS key):

- very poorly drained
- poorly drained
- somewhat poorly drained
- moderately well drained
- well drained
- somewhat excessively drained
- excessively drained

Hydrologic regime:

- upland
- nontidal wetland:
  - permanently flooded
  - semipermanently flooded
  - seasonally flooded
  - saturated
- tidal - irregularly
- tidal - regularly
  - saltwater
  - brackish
  - freshwater
- unknown

date: initials: p. ____ of ____

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE

Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch T200 South			Date: 13 November 1998
(Site name:)		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Roy, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

See Map

VEGETATION / HABITAT

Observation Point 1 T200S	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 29°, 318° mag, gently sloped bank	Slope, aspect, topography:	Slope, aspect, topography:
STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each	STRATA: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%): 50 Tilia americana Fraxinus americana	Tree layer: Total cover (%):	Tree layer: Total cover (%):
Sapling / tall shrub layer: Total cover (%) 20 Acer negundo Vitis riparia	Sapling / tall shrub layer: Total cover (%)	Sapling / tall shrub layer: Total cover (%)
Shrub (1-2 m) layer: Total cover (%) 30 Cornus sericea Lonicera morrowii Acer negundo	Shrub (1-2 m) layer: Total cover (%)	Shrub (1-2 m) layer: Total cover (%)
Herb layer: Total cover (%) 40 Agrostis stolonifera Phalaris arundinacea Matteuccia struthiopteris	Herb layer: Total cover (%)	Herb layer: Total cover (%)
Bryoid layer: Total cover (%) NA	Bryoid layer: Total cover (%)	Bryoid layer: Total cover (%)
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Transmission lines visable	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? 50 x 40 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

NATURAL COMMUNITY SURVEY PART II: DESCRIPTION

→ complete separate description forms for each notable natural community on reconnaissance page.

IDENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # T200 South
Community type: Floodplain / Early Successional Forest			Adjacent communities:
Quad: Pittsfield East	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

CLASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
forest	evergreen woody	broad-leaf woody
woodland	deciduous woody	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	ptendophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
66 feet	① Fraxinus 30 inch dbh	Limbs from canopy trees	
supercanopy trees? NO	② Tilia 17 inch dbh		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
NO	NO	NO	NO	NO

comment: Beaver has been active in area

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Sagina procumbens
Euonymus elatus
Lolium arundinaceum
Lythrum salacaria
Solidago flexicaulis
Alliaria petiolata
Lygustrum vulgare
Lygustrum amurense
Geum canadense
Symphiotrichum lateriflorum
Hesperis matronalis
Zizia orea
Lonicera morrowii
Acer Saccharinum

Species list sketchy or basically complete?
Comment: relatively complete

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: T200 S

Community type: Floodplain / Early Successional forest | (Regional alliance/community:)

LAYER	plot # T200S			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50x40' note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	Fraxinus americanus 30" Tilia americana 14", 17", 7", 6", 5", 10" 9, 9, 5 Acer saccharum 12"			
SAPLING / TALL SHRUB cover class by species of: trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	Vitis riparia (3) Acer neg. (1)			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 2.8 m radius or 25 m²	Acer negundo (3) Cornus sericea (3)			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Agrostis stolonifera (37) Phalaris arun. (19) Solanum dulcamera (1) Bidens cf. vulgata (1) Solidago gigantea (3) Matteuccia struth. (9) Boehmeria cylindrica (1) Persicaria pensylvanica (1) Brassica nigra (1)	Onoclea sensibilis (3) Calystegia sepium (1)		
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.				
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: T200S

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation:	Aspect:	Slope:	Microtopography:
294 meters	318° (magnetic) or true?	Flat to 29° (measured) or estimated?	flat upland forest, gently sloped bank to silt bar at river edge

pH (note kit or meter type)

Topographic position:

- P low plain, level
- T toe of slope
- (LS lower slope)
- MS middle slope
- TB hillside terrace/bench
- US upper slope
- E cliff/ledge
- C crest
- M high plateau
- N narrow valley
- D drainage channel

Habitat patchiness (describe zones or patches if present): uniform along river

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth:_____cm OR > 1 m_____

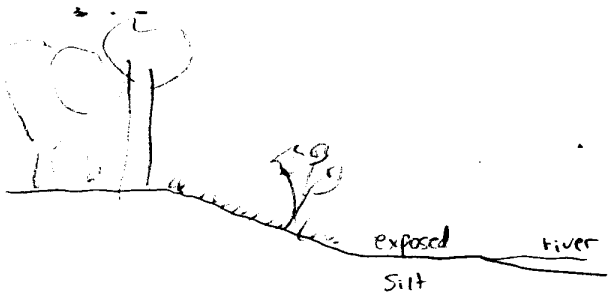
vonPost decomposition:_____

ALL SOILS:

DEPTH TO WATER TABLE:_____

DEPTH to OBSTRUCTION:_____

Soil temperature reading _____ F/C at _____ (depth)



Surficial deposit:

- bedrock
- talus slope
- glacial till
- moraine
- esker/outwash
- glacial delta
- lacustrine/fluvial
- marine
- aeolian
- other:

Surface:

- _____% Bedrock
- _____% Boulders (>50 cm)
- _____% Cobbles/Gravel
- 20 % Bare mineral soil
- _____% Organic soil
- 30 % Litter (note type) broadleaf and grasses
- 50 % Water
- _____% Total vegetation
- _____ Other:

Average Texture:

- gravel
- sand
- loamy sand / sandy loam
- loam
- silt loam
- clay loams
- sandy clay / clay
- peat
- muck

Bedrock type:

Igneous
- granite
- dioritic
- gabbroic
- other igneous
- _____

Metamorphic
- slate/phyllite
- schist/gneiss
- other metamorphic
- _____

Sedimentary
- limestone
- other sedimentary
- _____

details?

Soil stoniness:

- v. little (< 1%)
- moderate (2-25%)
- very (25-100%)

Drainage & moisture regime (see MAPPSS key):

- very poorly drained
- poorly drained
- somewhat poorly drained
- moderately well drained
- well drained
- somewhat excessively drained
- excessively drained

Hydrologic regime:

- upland
- nontidal wetland:
  - permanently flooded
  - semiperm'ly flooded
  - (seasonally flooded)
  - saturated
- tidal - irregularly
- tidal - regularly
  - saltwater
  - brackish
  - freshwater
- unknown

NATURAL COMMUNITY SURVEY PART I: RECONNAISSANCE Maine Natural Areas Program

IDENTIFIERS / LOCATION

Survey area: Housatonic River, East Branch T211 Satn			Date: 13 November 1998
(Site name:)		(Quadcode:)	Airphoto (#, scale, date):
Surveyors: Arthur Haines, John Lortie, Bob Roy, Vickie Schoonard	Town: Pittsfield County: Berkshire (Biophysical Region:)	USGS 7.5' Quad: Pittsfield East 1:25,000 7.5 X 15.0 minute	

Mark all observation points on a copy of the topo. Add any comments or sketches here if necessary to clarify the topo.

Directions (if not obvious from topo or Maine Atlas):

See Map

VEGETATION / HABITAT

Observation Point 1 T211 S	Observation Point 2	Observation Point 3
Community type: Floodplain/Early successional forest	Community type:	Community type:
Soil:	Soil:	Soil:
Slope, aspect, topography: 30°, 316°M, flat floodplain with moderately sloped bank	Slope, aspect, topography:	Slope, aspect, topography:
STRATA*: cover & 1-2 dominant spp. for each	STRATA*: cover & 1-2 dominant spp. for each	STRATA*: cover & 1-2 dominant spp. for each
Tree layer: Total cover (%): 65 Acer negundo Tilia americana	Tree layer: Total cover (%):	Tree layer: Total cover (%):
Sapling / tall shrub layer: Total cover (%) 30 Vitis riparia Acer negundo	Sapling / tall shrub layer: Total cover (%)	Sapling / tall shrub layer: Total cover (%)
Shrub (1-2 m) layer: Total cover (%) 30 Solidago altissima Lonicera morrowii	Shrub (1-2 m) layer: Total cover (%)	Shrub (1-2 m) layer: Total cover (%)
Herb layer: Total cover (%) 60 Poa nemoralis Zizea aurea Phalaris arundinacea	Herb layer: Total cover (%)	Herb layer: Total cover (%)
Bryoid layer: Total cover (%) NA	Bryoid layer: Total cover (%)	Bryoid layer: Total cover (%)
Other diagnostic or notable species:	Other diagnostic or notable species:	Other diagnostic or notable species:
Condition / evidence of human use: Road, open area, transmission line cut through community.	Condition / evidence of human use:	Condition / evidence of human use:
Additional data collected / COMMENTS plots (size)? yes, 50 x 40 feet tree cores? yes photos? yes	Additional data collected / COMMENTS plots (size)? tree cores? photos?	Additional data collected / COMMENTS plots (size)? tree cores? photos?

IATURAL COMMUNITY SURVEY PART II: DESCRIPTION

> complete separate description forms for each notable natural community on reconnaissance page.

JENTIFIERS / LOCATION

Area (specific/general): Housatonic River, East Branch			Obs. Pt. # T211 South
Community type: Floodplain / Early Successional forest			Adjacent communities:
Quad: Pittsfield East	(Lat.:)	Size (acres) of community EO (not site):	BE SURE TO MAP EXTENT OF COMMUNITY ON TOPO. Distinguish between portions ground-truthed vs. portions presumed to be part of community based solely on photo/map interpretation, where applicable.
(Quadcode:)	(Long:)		

:LASSIFICATION HIERARCHY

Physiognomy (Class)	Phenology (Subclass)	Leaf type (Group)
(forest)	evergreen woody	(broad-leaf woody)
woodland	(deciduous woody)	needle-leaf woody
shrubland	mixed woody	graminoid
dwarf shrubland	perennial	forb
herbaceous	annual	pteridophyte
sparse vascular/nonvascular		non-vascular

(ALLIANCE:)

ADDITIONAL DATA FOR FORESTS

Tree canopy height:	Core data: ring counts (~ 5 cores) of larger trees (give sp. & dbh)	Deadwood (describe distribution, abundance, degree of decay):	
60 feet	① Acer negundo 8 inch dbh, 33 ybp	very little deadwood in area.	
supercanopy trees? NO	② Tilia americana 14 inch dbh, 61 ybp		

HISTORY (describe evidence or lack thereof; please do not leave boxes blank. Indicate approximately how recent where possible.)

Fire:	Wind:	Cutting:	Agriculture:	Impoundment:
NO	NO	NO	NO	NO

comment: open area and road for waste water facility.

ADDITIONAL SPECIES LIST

List additional plant species in community not included in the plot data that follows.

Euphorbia cyparissias
Viola sororia
Saponaria officinalis
Solidago flexicaulis
Glechoma hederacea
Quercus rubra
Fragaria virginiana
Equisetum arvense
Festuca rubra

Species list sketchy or basically complete?
Comment: Moderate survey effort

VEGETATION PLOT DATA

Area: Housatonic River, East Branch | Obs. pt. #: T211 South

Community type: Floodplain / Early Successional forest | (Regional alliance/community:)

LAYER	plot # T211 south			
TREE list species and dbh for all trees >= 5 cm dbh; count standing dead as 1 species. note units: QUAD SIZE: 50x40 feet note which size used 5.64 m radius for 1/100th ha 7.98 m radius for 2/100th ha use same size throughout!	Acer negundo 5", 5", 8", 6", 8" Tilia americana 14", 16" Stand. dead 5"			
SAPLING / TALL SHRUB cover class by species of trees > 2 m tall but < 5 cm dbh; and shrubs > 2 m tall QUAD SIZE: 2.8 m radius or 25 m²	Vitis riparia (19) ~~Rhamnus cath.~~			
SHRUB cover class* by species of shrubs/trees 1 - 2 m tall. QUAD SIZE: 2.8 m radius or 25 m²	Lonicera morrowii (9) Vitis riparia (3) Ligustrum amerense (1) Solidago altissima (1)			
HERB cover class* by species for all herbaceous plants plus any woodies < 1 m tall QUAD SIZE: 1 m², 2-4 herb quads per tree plot. Enter individual values in left-hand column and average in right-hand column. Remember the zeros for spp present in some but not all herb quads when figuring averages!	Poa nemoralis (19) Rubus idaeus (1) Phalaris arun. (9) Matteuccia struth. (19) Lysimachia numularia (1) Zizia aurea (3) Rudbeckia laciniata (3) Solidago rugosa (1) ~~Solidago altissima (1)~~ Galium mdugo (1)	Elymus riparius (1) Muhlenbergia frondosa (1)		
BRYOID ground-layer mosses, liverwort, lichens in herb quads. resolution (check one): __"moss"/"liverwort"/"lichen" only; __identified to major group; __identified to genus; __identified to species.	Essentially absent			
REMARKS				

In box on previous page, list plant spp. present in the community but not in the sample plots so we have a complete species list.

* cover classes (record midpoint): < 2 1 2-5% 3 6-12% 9 13-24% 19 25-49% 37 50-74% 63 75-100% 87

TOPOGRAPHY / SOILS

Area: Housatonic River, East Branch | Obs. pt. #: T211 S

Community type: Floodplain/Early successional forest | (Regional alliance/community:)

Elevation:	Aspect:	Slope:	Microtopography:
294 meters	316° (magnetic) or true?	flat to 30° at bank to river (measured) or estimated?	relatively even ground in forest with moderately sloped bank into river

pH	Topographic position:			Habitat patchiness (describe zones or patches if present):
(note kit or meter type)	P low plain, level T toe of slope (LS lower slope) MS middle slope	TB hillside terrace/bench US upper slope E cliff/ledge	C crest M high plateau N narrow valley D drainage channel	Patchy due to road and opening for sewage system

Mineral Soil Profile:

horizon	depth (cm)	color	mottling	other
O				
A				
E				
B				
C				

Organic Soil Profile:

peat depth:_____cm OR > 1 m_____

vonPost decomposition:_____

ALL SOILS:

DEPTH TO WATER TABLE:_____

DEPTH to OBSTRUCTION:_____

Soil temperature reading _____ F/C at _____ (depth)

Surficial deposit:

- bedrock
- talus slope
- glacial till
- moraine
- esker/outwash
- glacial delta
- lacustrine/fluvial
- marine
- aeolian
- other:

Surface:

- _____% Bedrock
- _____% Boulders (>50 cm)
- _____% Cobbles/Gravel
- 5 % Bare mineral soil
- _____% Organic soil
- 50 % Litter (note type) broadleaf/graminoid
- 45 % Water
- _____% Total vegetation
- _____ Other:

Average Texture:

- gravel
- sand
- loamy sand / sandy loam
- loam
- silt loam
- clay loams
- sandy clay / clay
- peat
- muck

Bedrock type:

Igneous
- granite
- dioritic
- gabbroic
- other igneous

_____

Metamorphic
- slate/phyllite
- schist/gneiss
- other metamorphic

_____

Sedimentary
- limestone
- other sedimentary

_____

details?

Soil stoniness:

- v. little (< 1%)
- moderate (2-25%)
- very (25-100%)

Drainage & moisture regime (see MAPPSS key):

- very poorly drained
- poorly drained
- somewhat poorly drained
- moderately well drained
- well drained
- somewhat excessively drained
- excessively drained

Hydrologic regime:

(upland)

nontidal wetland:
- permanently flooded
- semiperm'ly flooded
- seasonally flooded
- saturated

tidal - irregularly
tidal - regularly
- saltwater
- brackish
- freshwater

unknown